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1000 TIM
2015 TÜRKİYE'NİN İLK 1000 İHRACATÇI FİRMASI
AMONG TOP 1000 EXPORTERS OF TURKEY

TÜRKİYE'NİN
500 ISO
BÜYÜK SANAYİ KURULUŞU
2015



EDIT Leader

HAKKIMIZDA

Birbirinden farklı sektörlerde 15 şirket ile faaliyet gösteren, bünyesinde 2.000 'den fazla personeli istihdam eden Borsan Grup'a bağlı olan Borsan Kablo, Elektrik, Aydınlatma San ve Tic. A.Ş. 1984 yılında kurulmuştur.

Borsan, kurulduğu günden bu güne, her zaman kendini yenileyen ve geliştiren "DENEYİM"li ve uzman kadrosu, yaptığı titiz Ar-Ge çalışmaları ve benimsediği "YENİLİK"çi vizyonu ile sektöründe "FARK" yaratmış, "TEKNOLOJİ"nin en son imkanlarını kullanarak yaptığı dünya standartlarındaki üretimi ve hizmet kalitesi ile Türkiye ve dünyada sektörünün "LİDER" markalarından biri olmuştur.

Bugün, Türkiye'de üç ayrı dalda aynı marka altında üretim yapabilen tek firma olan Borsan, Türkiye'nin en büyük kablo üreticilerinden biri olmakla beraber, aydınlatma ürünleri, tesisat malzemeleri ve grup priz üretimini de kendi fabrikalarında entegre bir şekilde gerçekleştirmektedir.

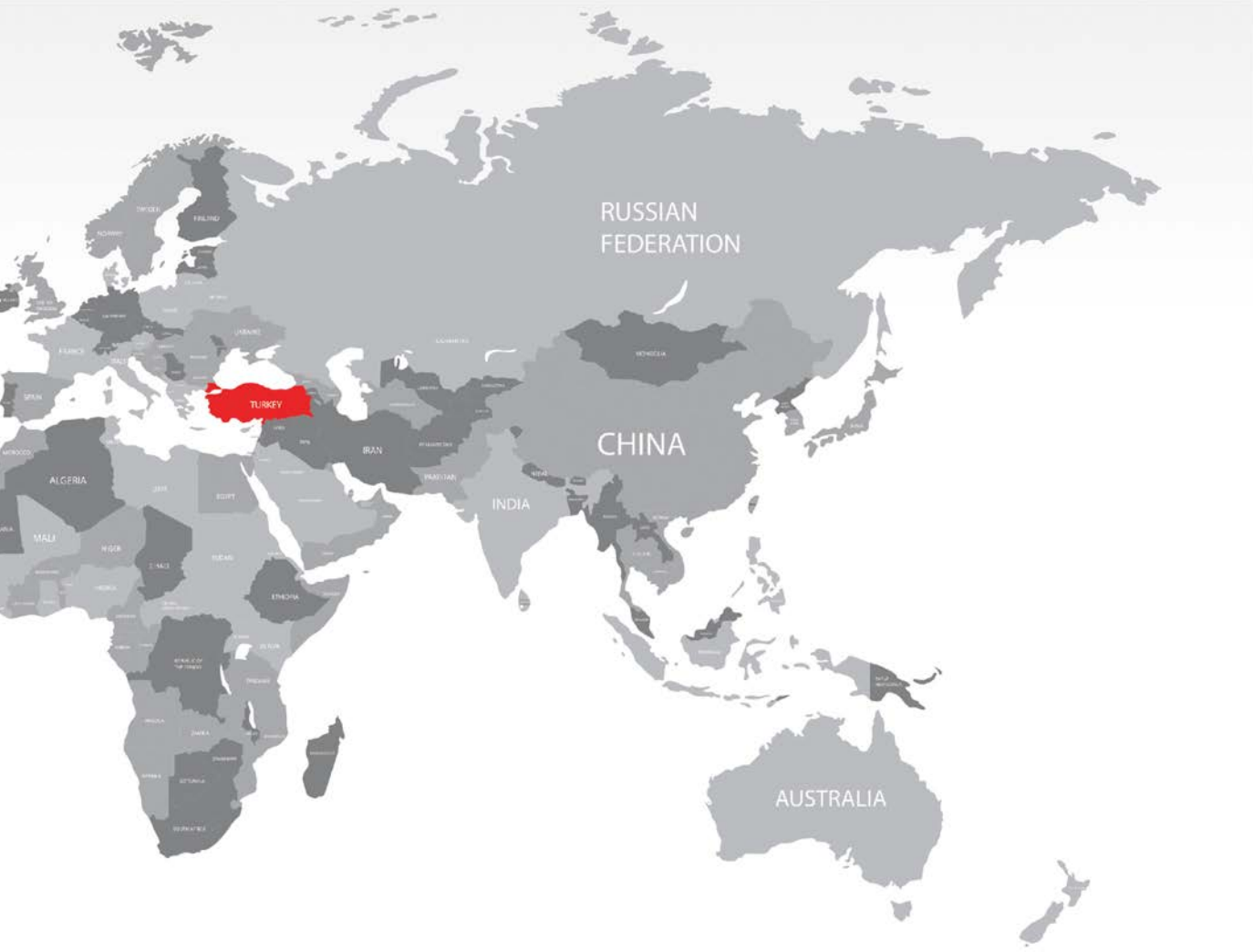
Borsan, aylık 1.200 ton Bakır Ergitme Kapasitesi, 1.000 ton Bakır Tel İşleme Kapasitesi ile Bakır İletkenli Enerji Kabloları, Halojeniz Kablolar, Yeni Nesil FE 180 Kablolar, Zayıf Akım Kabloları, Bakır Tel ve PVC Granül Üretimini Samsun'da bulunan 30.000 metrekare kapalı alana sahip fabrikasında gerçekleştirmektedir.

Borsan, aylık 2.000 ton Alüminyum Ergitme Kapasitesi ile Alüminyum İletkenli Yeraltı Enerji Kabloları, İzolasyonlu ve İzolasyonsuz Havai Hat Kabloları, Tam Alüminyum İletkenleri, Çelik Özlü Alüminyum İletkenleri, Alüminyum Tel ve PVC üretimini Gebze'de bulunan 16.000 metrekare kapalı 14.000 metrekare açık alana sahip fabrikasında gerçekleştirmektedir.

Ulusal ve uluslararası tüm kalite belgelerine sahip olan Borsan'da "Sürdürülebilir Standart Kalite" ön plandadır. Tüm ürünlerin elektrik, mekanik, kimyasal ve yangına dayanıklılık testleri, uzman ekibin kontrolünde Borsan laboratuvarlarında en modern cihazlarla yapılmaktadır.

Borsan, üretiminin yüzde 50'den fazlasını 4 kıtada 65'den fazla ülkeye ihraç etmekte, Türkiye'de 7 Bölge Müdürlüğü ile 81 ilde hizmet vermektedir. Ukrayna'da bulunan şirketleri ile de tüm Ukrayna geneline satış yapmaktadır.

Borsan, kalitesiyle fark yaratan, stratejik yatırımlarıyla güvenle büyüyen, geleceğe gururla taşınan lider marka olmaya daima devam edecektir.



ABOUT US

Borsan Cable is a member of “Borsan Group” which is a group of companies that has more than 2.000 employees and active in various sectors with 15 different companies.

Borsan has made **“DIFFERENCE”** in sector. thanks to exacting R&D studies. **“INNOVATIVE”** vision of an **“EXPERIENCE”**d and expert staff. since its establishment on 1984. Using the latest **“TECHNOLOGY”** on production and world class service quality. Borsan has become one of the **“LEADER”** brands of sector in Türkiye and over the world.

Today. Borsan is the unique company in Türkiye that makes production in three different fields under same brand. it is one of the biggest cable manufacturers in Türkiye that also manufactures lighting products. electrical installation materials and group sockets in an integrated manner.

Borsan integrally manufactures copper conductive cables. halogen free cables. new generation FE 180 cables. low current cables. copper wires and PVC granules; Borsan has 1.200 tons/month of copper melting capacity and 1.000 tons/month of copper wiring capacity in its factory adorned with latest technology that has a 30.000 square meter indoor area in Samsun city of Türkiye.

Company also integrally manufactures underground energy cables. insulated and un-insulated line cables. full aluminum conductors. steel reinforced aluminum conductors. aluminum wire and PVC granules with 2.000 tons/month of aluminum rod melting capacity in its factory of 16.000 square meter indoor and 14.000 square meter outdoor area adorned with latest technology in Gebze city of Türkiye.

Borsan has all national & international quality certificates. while “Sustainable Quality Standard” is always prior for the company. Electrical. mechanical. chemical and fire resistant tests of all products have been conducted by expert staff on company’s own laboratories with modern testing appliances.

Borsan exports more than 50% of its production to over than 65 countries in 4 continents and serves with 7 regional directorates in 81 cities of Türkiye. Furthermore. it makes sales all over Ukraine through its own company located in Kiev city.

Borsan will always continue making a difference with quality that will grow via strategic investments and certainly will be a brand to be carried into future with pride.

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EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





KALİTE BELGELERİMİZ
QUALITY CERTIFICATES
8 - 13



KALİTE BELGELERİ QUALITY CERTIFICATES

LICENCE

L C I E

Association
N°5-024
Revue
disponible sur
www.lcie.fr

NF

LOE N°: 461118

Delinçant / Delivering to:
BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET A.Ş.
Organize Sanayi Bölgesi N° 34 - 55030 TEKERKÖY SAMSUN - TÜRKİYE

Sit / de fabrication / Factory:
BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET A.Ş.
Organize Sanayi Bölgesi N° 34 - 55030 TEKERKÖY SAMSUN - TÜRKİYE

Produit / Product:
U-1000 RZV / Câbles rigides isolés au polyéthylène réticulé sous gaze de protection en polyéthylène de styrène
Cross-linked polyethylene insulated cables covered with a polystyrene ethylene resin

Marque commerciale (s) / Trade mark (s):
borsan cable

Modèle, type, référence / Model, type, reference:
U-1000 RZV

Caractéristiques nominales et principales / Rating and principal characteristics:
1 X (1.5 - 240) mm²; 2 X (1.5 - 35) mm²; (3 - 4) X (1.5 X 240) mm²; 5 X (1.5 - 25) mm²; 3x5 + 3x 3x2x0.95 mm²

Informations complémentaires / Additional information:
Norme étiquetage LCE / Number attributed by LCE: 1751
F3 fabricant porteur des couleurs / F3read colour: "Impressionen-hersteller-polymer-farbe"

Le produit est conforme à / The product is in conformity with:
Documents pris en compte / Relevant documents:
Annexe et remplace (s) / Annex and replaces (s): /

Documents de référence / Reference documents:
2016-09-01

Francis BOUAMAT
Responsable de Certification
Certification Officer

VDE Prüf- und Zertifizierungsinstitut

**ZEICHENGENEHMIGUNG
MARKS APPROVAL**

Borsan Kablo Elektrik Aydınlatma İnşaat Sanayi ve Ticaret
Organize Sanayi Bölgesi N° 34
Kulliyatçı
55027 SAMSUN
TÜRKİYE

ist borsan için bu ürünün / is authorized to use for their product

PVC-İnhalationsmischung NYM
PVC-Installation cable NYM

de hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

<VDE> <0276> <0276>

Geprüft und zertifiziert nach /
Tested and certified according to:

DIN VDE 0276-02A (VDE 0276-02:2014-09:01)

VDE

Geprüft und zertifiziert nach /
Tested and certified according to:

DIN VDE 0276-02B (VDE 0276-02:2014-09:01)

Bestatigt zum / valid until: 2019-12-31

VDE Prüf- und Zertifizierungsinstitut GmbH
Zertifizierungszentrum
Ottendorf

VDE Prüf- und Zertifizierungsinstitut

**ZEICHENGENEHMIGUNG
MARKS APPROVAL**

Borsan Kablo Elektrik Aydınlatma İnşaat Sanayi ve Ticaret
Organize Sanayi Bölgesi N° 34
Kulliyatçı
55027 SAMSUN
TÜRKİYE

ist borsan için bu ürünün / is authorized to use for their product

PVC-İsolierte Kabel ohne konzentrischen Leiter
PVC-insulated cable without concentric conductor

de hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

<VDE> 0276 <0276>

Geprüft und zertifiziert nach /
Tested and certified according to:

DIN VDE 0276-02B (VDE 0276-02:2014-09:01)

VDE

Geprüft und zertifiziert nach /
Tested and certified according to:

DIN VDE 0276-02A (VDE 0276-02:2014-09:01)

Bestatigt zum / valid until: 2019-12-31

VDE Prüf- und Zertifizierungsinstitut GmbH
Zertifizierungszentrum
Ottendorf

**TÜRK STANDARLARI ENSTİTÜSÜ
HARMONİZE MARKA KULLANMA BELGESİ**

**TURKISH STANDARDS INSTITUTION
LICENCE TO USE HARMONIZED MARKING**

Harmonized Marking System Description of the Harmonized Mark

TSE <HAR> **<HAR>**

Belge No / Certificate No: 00502 HAR-001

Referans No / Reference No: 00502 HAR-001

Belge Sahibi Kuruluşun Adı / Name of the License Holder: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ

Üretim Yeri Adı / Name of the Manufacturing Place: SAMSUN İLİ, SİĞIRCI İLÇESİ, SAMSUN ORGANİZE SANAYİ BÖLGESİ 34. SOKAKI

Yürürlük Tarihi / Validity Date: 03.11.2016

İspat Edilen Belge Numarası (DIN) / Product Identification Code (DIN): 00502 HAR-002

TSE

Electrotechnical Certification Directorate

**TÜRK STANDARLARI ENSTİTÜSÜ
HARMONİZE MARKA KULLANMA BELGESİ**

**TURKISH STANDARDS INSTITUTION
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Belge No / Certificate No: 00502 HAR-001

Referans No / Reference No: 00502 HAR-001

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Belge No / Certificate No: 00502 HAR-001

Referans No / Reference No: 00502 HAR-001

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Yürürlük Tarihi / Validity Date: 03.11.2016

İspat Edilen Belge Numarası (DIN) / Product Identification Code (DIN): 00502 HAR-002

TSE

Electrotechnical Certification Directorate

**TÜRK STANDARLARI ENSTİTÜSÜ
TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00539-TSE-16-13
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 28.03.2015
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 28.03.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: KEMERİSİY ÇÖZÜM YOLU, ERZURUM ÇEVRE BÖLGESİ, BU YOLUN NO: 54 TEKEKÖY SAMSUN-1 TURKYE

İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): 00539-TSE-06-02
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): BORSAN ÇABELE

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS EN 50178-1-2014 (IEC 60332-1-20:2013) "Damlı Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo"
BELEGE KAPSAMI / SCOPE OF LICENSE: Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo

**HOLYA MÜHÜRLENDİCİLİK
SAMSUN BELGELENDİRME
MÜDÜRÜ V**

<http://www.tse.com.tr> / <http://www.borsan.com.tr>

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TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00432-138-10011
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 28.03.2015
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 28.03.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: KEMERİSİY ÇÖZÜM YOLU, ERZURUM ÇEVRE BÖLGESİ, BU YOLUN NO: 54 TEKEKÖY SAMSUN-1 TURKYE

İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): YOK
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): YOK

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS 11954 "Kablo, Bayan Çekim Üstünlüğü, Damlı Damlı, Akabinde İzahatlı, Yüksek Gerilim, Kesitli Kablo"
BELEGE KAPSAMI / SCOPE OF LICENSE: Kablo, Bayan Çekim Üstünlüğü, Damlı Damlı, Akabinde İzahatlı, Yüksek Gerilim, Kesitli Kablo

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TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00539-TSE-04-02
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 28.03.2013
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 28.03.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN-1 TURKYE

İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): 00539-TSE-04-01
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): BORSAN

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS EN 50178-1-2014 (IEC 60332-1-20:2013) "Damlı Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo"
BELEGE KAPSAMI / SCOPE OF LICENSE: Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo

**HOLYA MÜHÜRLENDİCİLİK
SAMSUN BELGELENDİRME
MÜDÜRÜ V**

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**TÜRK STANDARLARI ENSTİTÜSÜ
TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00539-TSE-17-01
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 13.04.2015
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 13.04.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: KEMERİSİY ÇÖZÜM YOLU, ERZURUM ÇEVRE BÖLGESİ, BU YOLUN NO: 54 TEKEKÖY SAMSUN-1 TURKYE

İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): BORSAN ÇABELE
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): KEMERİSİY ÇÖZÜM YOLU, ERZURUM ÇEVRE BÖLGESİ, BU YOLUN NO: 54 TEKEKÖY SAMSUN-1 TURKYE

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS EN 50178-1-2014 (IEC 60332-1-20:2013) "Damlı Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo"
BELEGE KAPSAMI / SCOPE OF LICENSE: Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo

**EROL KAYGI
SAMSUN BELGELENDİRME
MÜDÜRÜ V**

<http://www.tse.com.tr> / <http://www.borsan.com.tr>

**TÜRK STANDARLARI ENSTİTÜSÜ
TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00539-TSE-07-02
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 27.03.2015
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 27.03.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: KEMERİSİY ÇÖZÜM YOLU, ERZURUM ÇEVRE BÖLGESİ, BU YOLUN NO: 54 TEKEKÖY SAMSUN-1 TURKYE

İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): 00539-TSE-07-01
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): YOK

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS EN 50178-1-2014 (IEC 60332-1-20:2013) "Damlı Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo"
BELEGE KAPSAMI / SCOPE OF LICENSE: Kablo, 0,6/1 kV, 100-1000 mm² Kesitli Kablo

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**TÜRK STANDARLARI ENSTİTÜSÜ
TÜRK STANDARLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı: **TSE** / Description of the Mark: **TSE**

BELEGE NUMARASI / REFERENCE NUMBER OF LICENSE: 00539-138-10011
BELEGENİN İLK VERİŞİLMİŞ TARİHİ / DATE OF FIRST ISSUE OF LICENSE: 26.10.1998
BELEGENİN SON GEÇERLİLİK TARİHİ / EXPIRES: 21.10.2017

BELEGE SAHİBİ KURULUSUNUN ADI / NAME OF THE LICENSE HOLDER: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELEGE SAHİBİ KURULUSUNUN ADRESİ / ADDRESS OF THE LICENSE HOLDER: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN/TURKYE

ÜRETİM YERİ ADI / NAME OF THE MANUFACTURING PLACE: BORSAN KABLO ELEKTRİK AYDINLATMA İNŞAAT SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ / ADDRESS OF THE MANUFACTURING PLACE: SARAYCIÖZ İZMİR MAH. ORGANİZE SANAYİ BLV. NO:42-11 TEKEKÖY SAMSUN-1 TURKYE

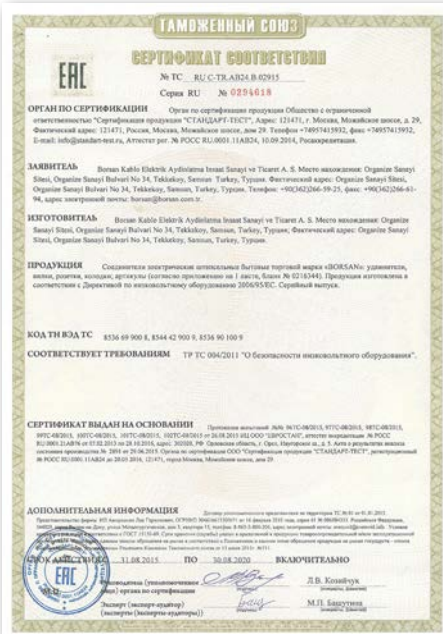
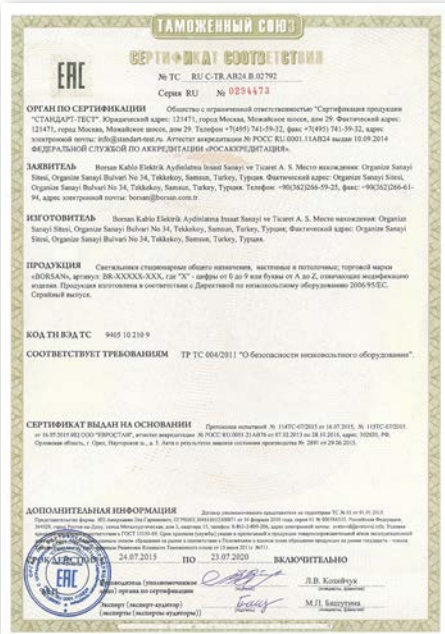
İPTAL EDİLEN BELEGE NUMARASI (Varsa) / INDICATION OF SUPPRESSED LICENSE (If any): 14.03.04.66.00TSE-03982
TEŞEVLİ YEREL YERİ ADRESİ / INDICATION OF SUPERSEDED LICENSE (If any): BORSAN

İLGİLİ TÜRK STANDARTI / REFERENCE TURKISH STANDARD: TS 8088 EN 60588-2-1 "Ayırma Anahtarları - Bölge 2: Çıplı Kuvvetli Akımın Kesilmesi, Bölge 1: Çıplı Akımın Kesilmesi"
BELEGE KAPSAMI / SCOPE OF LICENSE: Ayırma Anahtarları - Bölge 2: Çıplı Kuvvetli Akımın Kesilmesi, Bölge 1: Çıplı Akımın Kesilmesi

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KALİTE BELGELERİ QUALITY CERTIFICATES





EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





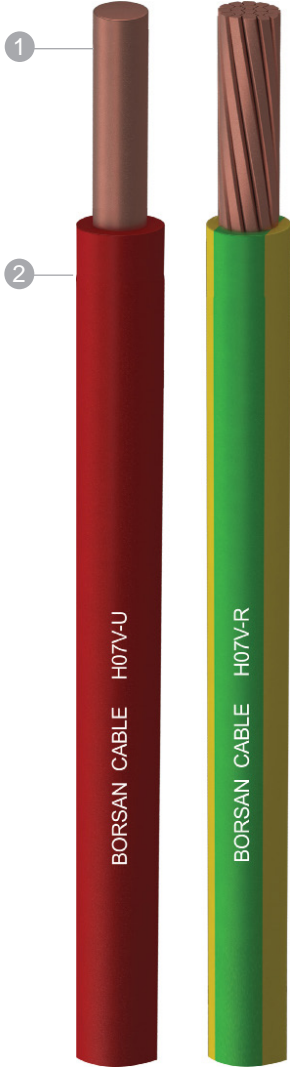
PVC İZOLELİ SABİT TESİSAT KABLOLARI
PVC INSULATED STATIONARY INSTALLATION CABLES

PVC İZOLELİ BÜKÜLGEN TESİSAT KABLOLARI
PVC INSULATED FLEXIBLE INSTALLATION CABLES

16 - 41



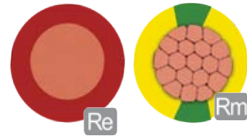
H05V-U / H07V-U H07V-R



1) Som veya Örgülü Bakır
Solid or Stranded Copper

2) PVC İzole
PVC Insulation

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellı Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V-U / H07V-U H07V-R

H05V-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

H07V-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.70	24	12.1	19.45	100	C 100
2.5	3.30	32	7.41	30.45	100	C 100
4	3.75	42	4.61	44.65	100	C 100
6	4.25	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

H07V-R

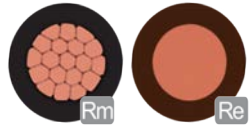
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.60	129	0.727	253.9	100	C 100
35	9.80	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	13.10	245	0.268	660.6	1000	R 800
95	15.30	290	0.193	912.9	1000	R 1000
120	16.60	345	0.153	1132	1000	R 1000
150	18.50	390	0.124	1400	1000	R 1100
185	21.05	445	0.0991	1771	1000	R 1200
240	23.90	525	0.0754	2315	1000	R 1300
300	27.50	605	0.0601	2858	1000	R 1400

H05V2-U / H07V2-U H07V2-R



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) Yüksek Sıcaklığa Dayanıklı PVC
High Temperature Resistant PVC

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Çalışma sıcaklığının yüksek olması gereken koşullarda (+90 °C) ev cihazlarında. sabit tesislerde. kuru yerlerde. dağıtım panoları ve kapalı alanlarda. fabrika. atölye ve her türlü iş yerinde siva altı veya siva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

When it is required high operating temperatures (+90°) and for house hold appliances. it is used as surface mounted or flush mounted in stationary plants. dry places. distribution boards and closed spaces.factories. workshops and any kind of workplaces.



TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V2-U/H07V2-U H07V2-R

H05V2-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

H07V2-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

H07V2-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

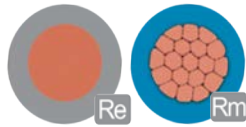
H05V3-U / H07V3-U

H07V3-R



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) -40°C Soğuğa Dayanıklı PVC
-40°C Cold Resistant PVC

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Düşük sıcaklıklarda, kuru yerlerde, sabit tesislerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces at low temperatures.



TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V3-U / H07V3-U H07V3-R

H05V3-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

H07V3-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

H073V-R

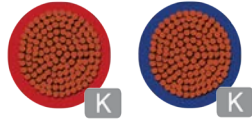
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

H05V-K / H07V-K



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) PVC İzole
PVC Insulation

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



STANDARD

TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

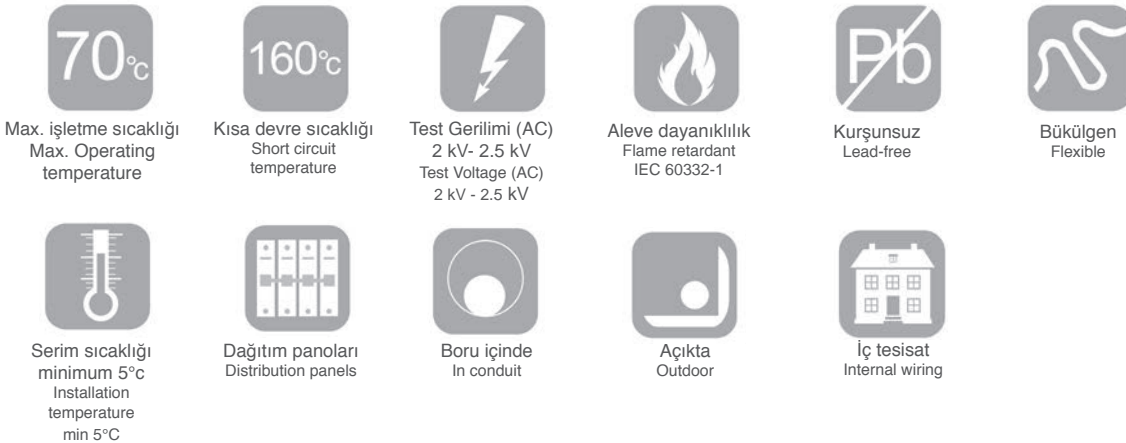
Sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.



TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V-K / H07V-K

H05V-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
0.5	2	11	39	8.36	100	C 100
0.75	2.25	16	26	10.98	100	C 100
1	2.4	20	19.5	13.7	100	C 100

H07V-K

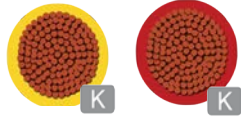
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1.5	2.85	24	13.3	20	100	C 100
2.5	3.50	32	7.98	30	100	C 100
4	4.05	42	4.95	44	100	C 100
6	4.50	54	3.3	62	100	C 100
10	6.10	73	1.91	107	100	C 100
16	7.10	98	1.21	160	100	C 100
25	8.70	129	0.78	246	1000	R 700
35	10.40	158	0.554	344	1000	R 700
50	12.25	198	0.386	485	1000	R 800
70	14.50	245	0.272	668	1000	R 800
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.60	391	0.129	1399	500	R 1000
185	22.80	448	0.106	1708	500	R 1000
240	26.10	528	0.0801	2283	250	R 900
300	28.60	620	0.0641	2811	250	R 1000

H05V2-K / H07V2-K



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) Yüksek Sıcaklığa Dayanıklı PVC
High Temperature Resistant PVC

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



STANDARD

TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Çalışma sıcaklığının yüksek olması gereken koşullarda (+90 °C) ev cihazlarında. sabit tesislerde. kuru yerlerde. dağıtım panoları veya kapalı alanlarda. fabrika. atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

When it is required high operating temperatures (+90°) and for house hold appliances. it is used as surface mounted or flush mounted in stationary plants. dry places. distribution boards and closed spaces. factories. workshops and any kind of workplaces.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Bükülgen
Flexible



Yüksek ısıya dayanıklı
High temperature resistant



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V2-K / H07V2-K

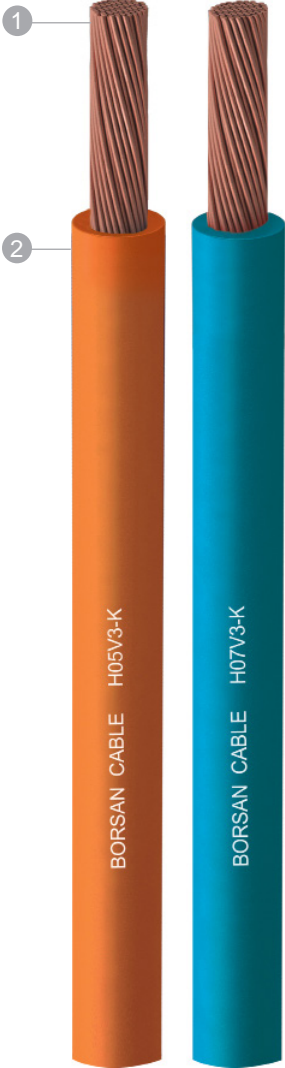
H05V2-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

H07V2-K

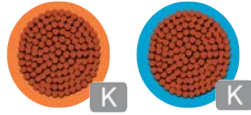
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 1000
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

H05V3-K / H07V3-K



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) -40°C Soğuğa Dayanıklı PVC
-40°C Cold Resistant PVC

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



STANDARD
TS EN 50525-2-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Düşük sıcaklıklarda. Sabit tesislerde. dağıtım panoları ve kapalı yerlerde. fabrika. atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants. dry places. distribution boards and closed spaces. factories. workshops and any kind of workplaces at low temperatures.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Bükülgen
Flexible



-40°C Soğuğa dayanıklı
-40°C Cold resistant



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H05V3-K / H07V3-K

H05V3-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

H07V3-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 1000
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

NYM / NVV



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PE Dolgu
PE Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
HD 21.4.S2
VDE 0250-204

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Sabit tesislerde, kuru ve rutubetli, yerlerde kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, humid and closed spaces, factories, workshops and any kind of workplaces.



TEKNİK ÖZELLİKLER TECHNICAL DATA

NYM / NVV

NYM / NVV

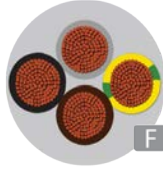
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x1.5	8.8	22	12.10	115	100	C 100
2x2.5	10.0	30	7.41	156	100	C 100
2x4	10.8	40	4.61	198	100	C 100
2x6	11.8	51	3.08	253	100	C 100
2x10	15.85	70	1.83	444	1000	R 1000
2x16	17.75	94	1.15	603	1000	R 1100
3x1.5	9.25	22	12.10	135	100	C 100
3x2.5	10.55	30	7.41	186	100	C 100
3x4	11.45	40	4.61	241	100	C 100
3x6	12.90	51	3.08	324	100	C 100
3x10	16.80	70	1.83	545	1000	R 1000
3x16	19.25	94	1.15	773	1000	R 1100
4x1.5	10.05	18.5	12.10	160	100	C 100
4x2.5	11.45	25	7.41	223	100	C 100
4x4	12.75	34	4.61	301	100	C 100
4x6	14.30	43	3.08	407	100	C 100
4x10	18.35	60	1.83	668	1000	R 1100
4x16	21.05	80	1.15	954	1000	R 1200
5x1.5	10.80	17.5	12.10	191	100	C 100
5x2.5	12.45	24	7.41	268	100	C 100
5x4	14.30	32	4.61	380	100	C 100
5x6	15.75	41	3.08	501	100	C 100
5x10	19.98	57	1.83	813	1000	R 1200
5x16	23.35	76	1.15	1186	1000	R 1300

H03VV-F / H05VV-F



- 1) İnce ve Çok Telli Bükülgen Bakır
Fine and Multiple Wired Flexible Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Kılıf
PVC Sheath

F : İnce Telli Bükülgen Bakır
F : Fine Wired Flexible Copper



STANDARD

TS EN 50525 2-11

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

At less mechanical stresses. closed and dry places. and connections of mobile devices.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Bükülgen
Flexible



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER

TECHNICAL DATA

H03VV-F / H05VV-F

H03VV-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

H05VV-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

H03V2V2-F / H05V2V2-F

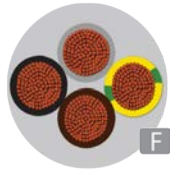


1) İnce ve Çok Telli Bükülgen Bakır
Fine and Multiple Wired Flexible
Copper

2) Yüksek Sıcaklığa Dayanıklı PVC
High Temperature Resistant PVC

3) PVC Kılıf
PVC Sheath

F : İnce Telli Bükülgen Bakır
F : Fine Wired Flexible Copper



STANDARD

TS EN 50525 2-11

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Yüksek sıcaklıkta, mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

At high temperatures, less mechanical stresses, dry locations and connections of mobile devices.

90°C

Max. işletme sıcaklığı
Max. Operating
temperature

160°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Bükülgen
Flexible



Yüksek ısıya dayanıklı
High temperature resistant



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



İç tesilat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H03V2V2-F / H05V2V2-F

H03V2V2-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

H05V2V2-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

Arctic Flexible Cable



- 1) İnce ve Çok Telli Bükülgen Bakır
Fine and Multiple Wired Flexible Copper
- 2) -40°C Soğuğa dayanıklı PVC İzoleli
-40°C Cold resistant PVC Insulation
- 3) -40°C Soğuğa dayanıklı PVC Kılıf
-40°C Cold resistant PVC Sheath

F : İnce Telli Bükülgen Bakır
F : Fine Wired Flexible Copper



STANDARD
TS EN 50525 2-11

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Düşük sıcaklıklarda .mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used at low temperatures. less mechanical stresses. dry locations and connections of mobile devices.



TEKNİK ÖZELLİKLER TECHNICAL DATA

Arctic Flexible Cable

300 / 300V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

300 / 500V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2X0.75	6.20	12	26.00	54.80	100	C 100
2X1	6.60	16	19.50	64.00	100	C 100
2X1.5	7.50	20	13.30	84.80	100	C 100
2X2.5	9.10	25	7.98	129.00	100	C 100
2X4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

YASSI NYM FLAT NYM



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
BS 6004:2012

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Sabit tesislerde. rutubetli ve kapalı yerlerde. fabrika. atölye ve her türlü iş yerinde siva altı veya siva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants. humid and closed spaces. factories. workshops and any kind of workplaces.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YASSI NYM FLAT NYM

YASSI NYM - FLAT NYM

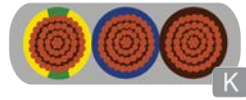
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
2X1	4.10X6.40	13	18.10	60.0	100	C 100
2X1.5	4.55X7.30	16	12.10	84.0	100	C 100
2X2.5	5.35X8.70	23	7.41	118.0	100	C 100
2X4	5.8X9.60	30	4.61	155.0	100	C 100
2X6	6.5X10.80	39	3.08	215.0	100	C 100
2X10	8.40x14.40	53	1.83	328.0	1000	C 100
2X16	9.30x16.00	70	1.15	477.0	1000	C 100
3G1	4.10X8.70	11	18.10	83.0	100	C 100
3G1.5	4.55X10.05	15	12.10	118.0	100	C 100
3G1.5	5.35X12.05	20	7.41	170.0	100	C 100
3G4	6.00X13.60	27	4.61	235.0	100	C 100
3G6	6.50X15.10	34	3.08	310.0	100	C 100
3G10	8.40x20.40	46	1.83	475.0	1000	R 900
3G16	9.65x23.75	62	1.15	693.0	1000	R 1000

YASSI TTR / FLAT TTR IEC 227 F



- 1) İnce ve Çok Telli Bükülgen Bakır
Fine and Multiple Wired Flexible Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Kılıf
PVC Sheath

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



STANDARD
TS IEC 60227-6

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Sabit tesislerde. rutubetli ve kapalı yerlerde. fabrika. atölye ve her türlü iş yerinde siva altı veya siva üstünde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants. humid and closed spaces. factories. workshops and any kind of workplaces.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 2 kV - 2.5 kV Test Voltage (AC) 2 kV - 2.5 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Bükülgen Flexible
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 İç tesisat Internal wiring	

TEKNİK ÖZELLİKLER TECHNICAL DATA

YASSI TTR / FLAT TTR IEC 227 F

IEC 227 F

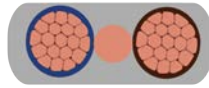
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2X0.50	4.00X7.00	6	39.00	29	100	C 100
2X0.75	4.30X7.60	13	26.00	40	100	C 100
2X1	4.50X8.00	16	19.50	60	100	C 100
2X1.5	5.00X9.00	20	13.30	86	100	C 100
2X2.5	5.60X10.80	26	7.98	115	100	C 100
2X4	6.10X11.80	33	4.95	150	100	C 100
2X6	7.10X13.00	48	3.30	200	100	C 100
3G0.75	4.30X9.90	13	26.00	60	100	C 100
3G1	4.50X10.50	16	19.50	75	100	C 100
3G1.5	5.00X12.00	20	13.30	105	100	C 100
3G2.5	5.60X14.40	26	7.98	150	100	C 100
3G4	6.10X15.90	33	4.95	220	100	C 100
3G6	6.80X17.40	48	3.30	281	100	C 100
3G10	8.90X21.90	66	1.91	485	1000	R 900
3G16	10.10X25.30	89	1.21	660	1000	R 1000
4G0.75	4.30X12.20	13	26.00	81	100	C 100
4G1	4.50X13.00	16	19.50	100	100	C 100
4G1.5	5.00X15.00	20	13.30	150	100	C 100
4G2.5	5.90X18.90	26	7.98	215	100	C 100
4G4	6.40X21.00	33	4.95	295	100	C 100
4G6	6.80X23.00	48	3.30	395	100	C 100
4G10	8.90X28.50	66	1.91	625	1000	R 1000
4G16	10.2X33.50	89	1.21	960	1000	R 1100

TWIN EARTH 6242Y - 6243Y



- 1) Som veya Örgülü Bakır Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
BS 6004

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

PVC kaplamalı yüzey kabloları ve topraklama kabloları, genellikle sabit tesisatlar da kullanılır. Bu kablolar doğrudan yüzeylere sabitlenmek için uygundur. Kablo kanalından geçirilebilir veya mekanik darbe hasar tehlikesi bulunmuyorsa açık havada kullanılabilirler.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

6242Y, 6243Y cable- PVC sheathed surface wiring cables, or Twin and Earth cables, are generally used in domestic wiring of fixed installations. This British standard BS6004 cable is suitable to be fixed directly onto surfaces, ran through cable tray, or, free air if there are no hazards from mechanical impact damage.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 2 kV-2.5 kV Test Voltage (AC) 2 kV - 2.5 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Açıkta Outdoor	 İç tesisat Internal wiring			

TEKNİK ÖZELLİKLER TECHNICAL DATA

TWIN EARTH 6242Y - 6243Y

6242Y

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
2 x 1.0	4.10 x 8.65	13	18.10	68	100	C 100
2 x 1.5	4.55 x 8.80	16	12.10	84	100	C 100
2 x 2.5	5.40 x 10.50	23	7.41	120	100	C 100
2 x 4	6.10 x 12.00	30	4.61	175	100	C 100
2 x 6	6.90 x 13.80	39	3.08	240	100	C 100
2 x 10	8.40 x 18.50	53	1.83	390	1000	R 900
2 x 16	9.70 x 20.60	70	1.15	560	1000	R 1000

6243Y

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
3 x 1.0	4.60 x 10.20	11	18.10	92	100	C 100
3 x 1.5	4.75 x 11.45	15	12.10	115	100	C 100
3 x 2.5	5.45 x 13.40	20	7.41	170	100	C 100
3 x 4	6.40 x 15.90	27	4.61	235	100	C 100
3 x 6	6.90 x 17.95	34	3.08	385	100	C 100
3 x 10	8.40 x 22.70	46	1.83	555	1000	R 900
3 x 16	9.55 x 26.25	62	1.15	735	1000	R 1000



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLOGY)





0.6 / 1 KV PVC İZOLELİ GÜÇ KABLOLARI
0.6 / 1 KV PVC INSULATED POWER CABLES
44 - 63

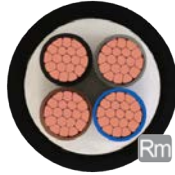


NY / YV



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PE Dolgu
PE Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in places where the mechanical stresses are low. used as surface mounted. in ducts. underground. as mains and lighting cable.

70°C
Max. işletme sıcaklığı
Max. Operating
temperature

160°C
Kısa devre sıcaklığı
Short circuit
temperature

Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV

Aleve dayanıklılık
Flame retardant
IEC 60332-1

Pb
Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C

Dağıtım panoları
Distribution panels

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

NYY / YVV

NYY / YVV

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

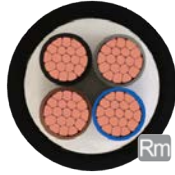
1 X 4 re	6.7	37	50	4.61	100	100	C 100
1 X 6 re	7.3	47	62	3.08	125	100	C 100
1 X 10 rm	8.1	64	83	1.83	145	1000	R 600
1 X 16 rm	9.1	84	107	1.15	206	1000	R 700
1 X 25 rm	10.8	114	138	0.727	307	1000	R 800
1 X 35 rm	12.00	139	164	0.524	405	1000	R 800
1 X 50 rm	13.40	169	195	0.387	527	1000	R 900
1 X 70 rm	15.4	213	238	0.268	744	1000	R 1000
1 X 95 rm	17.8	264	286	0.198	1017	1000	R 1000
1 X 120 rm	19.2	307	325	0.153	1255	1000	R 1100
1 X 150 rm	21.2	352	365	0.124	1539	1000	R 1200
1 X 185 rm	23.9	406	413	0.0991	1941	1000	R 1300
1 X 240 rm	26.9	483	479	0.0754	2519	1000	R 1500
1 X 300 rm	29.7	557	541	0.0601	3069	1000	R 1500
2 X 1.5 re	9.9	19.5	27	12.1	141	100	C 100
2 X 2.5 re	10.7	25	36	7.41	175	100	C 100
2 X 4 re	12.4	34	47	4.61	245	100	C 100
2 X 6 re	13.4	43	59	3.08	304	100	C 100
2 X 10 rm	16	59	79	1.83	453	1000	R 1000
2 X 16 rm	18	79	102	1.15	618	1000	R 1100
2 X 25 rm	20.9	106	133	0.727	882	1000	R 1200
2 X 35 rm	23.00	129	159	0.524	1250	1000	R 1300
3 X 1.5 re	10.3	19.5	27	12.1	160	100	C 100
3 X 2.5 re	11.2	25	36	7.41	204	100	C 100
3 X 4 re	13	34	47	4.61	288	100	C 100
3 X 6 re	14.1	43	59	3.08	366	100	C 100
3 x 10 rm	16.70	59	79	1.83	541	1000	R 1000
3 x 16 rm	18.80	79	102	1.15	751	1000	R 1200
3 x 25 rm	22.20	106	133	0.727	1103	1000	R 1200
3 x 35 rm	25.6	129	159	0.524	1499	1000	R 1400
3 x 50 rm	29	157	188	0.387	1964	1000	R 1500
3 x 70 rm	33.20	199	232	0.268	2725	1000	R 1600
3 x 95 rm	38.80	246	280	0.198	3753	1000	R 1800
3 x 120 rm	41.90	285	318	0.153	4585	1000	R 1800
3 x 150 rm	46.40	326	359	0.124	5631	500	R 1600
3 x 185 rm	52	374	406	0.0991	7071	500	R 1700
3 x 240 rm	58.9	445	473	0.0754	9189	500	R 1800
3 x 300 rm	65.8	511	535	0.0601	11326	250	R 1600

NY / YV



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PE Dolgu
PE Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in places where the mechanical stresses are low, used as surface mounted, in ducts, underground, as mains and lighting cable.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

NYV / YVV

NYV / YVV

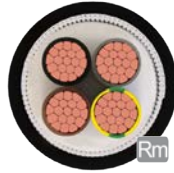
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5 re	11.1	19.5	27	12.1	189	100	C 100
4X2.5 re	12.1	25	36	7.41	243	100	C 100
4X4 re	14.1	34	47	4.61	347	100	C 100
4X6 re	15.4	43	59	3.08	447	100	C 100
4X10 rm	19.6	59	79	1.83	730	1000	R 1200
4X16 rm	21.2	79	102	1.15	968	1000	R 1300
4X25 rm	25.4	106	133	0.727	1445	1000	R 1500
4X35 rm	28.2	129	159	0.524	1882	1000	R 1600
4X50 rm	32.5	157	188	0.387	2517	1000	R 1700
4X70 rm	36.9	199	232	0.268	3465	500	R 1500
4X95 rm	42.6	246	280	0.198	4716	500	R 1600
4X120 rm	46.5	285	318	0.153	5838	500	R 1800
4X150 rm	51.4	326	359	0.124	7155	250	R 1500
4X185 rm	57.8	374	406	0.0991	9009	250	R 1600
4X240 rm	65.5	445	473	0.0754	11718	250	R 1700
5X1.5 re	12.9	19.5	27	12.1	249	1000	R 800
5X2.5 re	14	25	36	7.41	317	1000	R 900
5X4 re	16.3	34	47	4.61	449	1000	R 1000
5X6 re	17.7	43	59	3.08	572	1000	R 1100
5X10 rm	20.9	59	79	1.83	846	1000	R 1200
5X16 rm	23.5	79	102	1.15	1178	1000	R 1300
5X25 rm	28.4	106	133	0.727	1773	1000	R 1500
5X35 rm	31.8	129	159	0.524	2333	1000	R 1600
5X50 rm	35.8	157	188	0.387	3040	1000	R 1700
5X70 rm	41.3	199	232	0.268	4260	500	R 1600
5X95 rm	47.7	246	280	0.198	5798	500	R 1700
5X120 rm	51.4	285	318	0.153	7093	250	R 1500
5X150 rm	56.9	326	359	0.124	8703	250	R 1600
5X185 rm	64.2	374	406	0.0991	10989	250	R 1800
5X240 rm	72.4	445	473	0.0754	14230	250	R 1800
7x1.5 rm	13.8	19.5	27	12.1	300	1000	R 800
7x2.5 rm	15	25	36	7.41	390	1000	R 900
10x1.5 rm	16.8	19.5	27	12.1	450	1000	R 1000
10x2.5 rm	18.4	25	36	7.41	590	1000	R 1000
12x1.5 rm	17.2	19.5	27	12.1	490	1000	R 1000
12x2.5 rm	18.9	25	36	7.41	640	1000	R 1100
14x1.5 rm	18	19.5	27	12.1	540	1000	R 1000
14x2.5 rm	19.7	25	36	7.41	710	1000	R 1100
15x1.5 rm	18.8	19.5	27	12.1	590	1000	R 1100
15x2.5 rm	20.7	25	36	7.41	780	1000	R 1100
16x1.5 rm	18.8	19.5	27	12.1	600	1000	R 1100
16x2.5 rm	20.7	25	36	7.41	800	1000	R 1100
19x1.5 rm	19.7	19.5	27	12.1	670	1000	R 1100
19x2.5 rm	21.7	25	36	7.41	900	1000	R 1200
24x1.5 rm	23.2	19.5	27	12.1	900	1000	R 1200
24x2.5 rm	24.4	25	36	7.41	1160	1000	R 1300
3X16+10 rm	21	79	102	1.15/1.83	910	1000	R 1200
3X25+16 rm	24.5	106	133	0.727/1.15	1323	1000	R 1300
3X35+16 rm	26.5	129	159	0.524/1.15	1640	1000	R 1400
3X50+25 rm	30.7	157	188	0.387/0.727	2234	1000	R 1500
3X70+35 rm	34.7	199	232	0.268/0.524	3056	1000	R 1600
3X95+50 rm	40.1	246	280	0.193/0.387	4163	500	R 1500
3X120+70 rm	43.8	285	318	0.153/0.268	5217	500	R 1500
3X150+70 rm	47.6	326	359	0.124/0.268	6201	500	R 1600
3X185+95 rm	54.2	374	406	0.0991/0.193	7972	250	R 1500
3X240+120 rm	60.4	445	473	0.754/0.153	10198	250	R 1500

YVZ2V / NYRY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde, sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted. in ducts. underground. as mains and lighting cable. Due to having galvanized round steel wire armour. they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ2V / NYRY

YVZ2V / NYRY

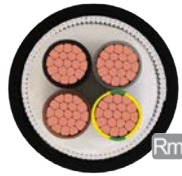
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1X10 rm AWA	13.68	64	83	1.83	294	1000	R 1000
1X16 rm AWA	14.64	84	107	1.15	367	1000	R 1000
1X25 rm AWA	17.37	114	138	0.727	535	1000	R 1100
1X35 rm AWA	18.53	139	164	0.524	653	1000	R 1100
1X50 rm AWA	19.94	169	195	0.387	801	1000	R 1200
1X70 rm AWA	22.57	213	238	0.268	1088	1000	R 1300
1X95 rm AWA	24.79	264	286	0.198	1393	1000	R 1400
1X120 rm AWA	26.10	307	325	0.153	1652	1000	R 1400
1X150 rm AWA	28.13	352	365	0.124	1974	1000	R 1500
1X185 rm AWA	30.89	406	413	0.0991	2426	1000	R 1600
1X240 rm AWA	34.94	483	479	0.0754	3152	1000	R 1600
1X300 rm AWA	37.32	557	541	0.0601	3716	1000	R 1800
2X1.5 re	14.29	20	27	12.1	369	1000	R 1000
2X2.5 re	15.09	25	36	7.41	424	1000	R 1000
2X4 re	17.72	34	47	4.61	642	1000	R 1100
2X6 re	18.73	43	59	3.08	736	1000	R 1100
2X10 rm	21.15	59	79	1.83	951	1000	R 1200
2X16 rm	23.80	79	102	1.15	1287	1000	R 1300
2X25 rm	27.40	106	133	0.727	1718	1000	R 1500
2X35 rm	28.90	129	159	0.524	1950	1000	R 1500
3X1.5 re	14.76	20	27	12.1	401	1000	R 1000
3X2.5 re	16.54	25	36	7.41	565	1000	R 1000
3X4 re	18.40	34	47	4.61	713	1000	R 1100
3X6 re	19.49	43	59	3.08	826	1000	R 1100
3X10 rm	22.81	59	79	1.83	1192	1000	R 1300
3X16 rm	24.90	79	102	1.15	1479	1000	R 1400
3X25 rm	28.86	106	133	0.727	2018	1000	R 1500
3X35 rm	31.66	129	159	0.524	2477	1000	R 1600
3X50 rm	35.80	157	188	0.387	3277	1000	R 1700
3X70 rm	43.91	199	232	0.268	4664	1000	R 1400
3X95 rm	50.75	246	280	0.198	6416	500	R 1500
3X120 rm	54.15	285	318	0.153	7474	500	R 1600
3X150 rm	59.11	326	359	0.124	8866	500	R 1700
3X185 rm	65.78	374	406	0.0991	10797	500	R 1500
3X240 rm	74.64	445	473	0.0754	14270	500	R 1600

YVZ2V / NYRY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ2V / NYRY

YVZ2V / NYRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	16.45	19.5	27	12.1	548	1000	R 1000
4X2.5 re	17.42	25	36	7.41	627	1000	R 1100
4X4 re	19.5	34	47	4.61	806	1000	R 1100
4X6 re	20.72	43	59	3.08	938	1000	R 1200
4X10 rm	24.36	59	79	1.83	1367	1000	R 1400
4X16 rm	26.7	79	102	1.15	1727	1000	R 1400
4X25 rm	31.28	106	133	0.727	2373	1000	R 1500
4X35 rm	35.28	129	159	0.524	3162	1000	R 1700
4X50 rm	38.94	157	188	0.387	3911	1000	R 1800
4X70 rm	43.91	199	232	0.268	5104	500	R 1500
4X95 rm	50.75	246	280	0.198	7026	500	R 1700
4X120 rm	54.15	285	318	0.153	8256	500	R 1700
4X150 rm	59.11	326	359	0.124	9826	250	R 1500
4X185 rm	65.78	374	406	0.0991	12002	250	R 1600
4X240 rm	74.64	445	473	0.0754	15855	250	R 1800
5x1.5 re	17.4	19.5	27	12.1	580	1000	R 1000
5x2.5 re	18.4	25	36	7.41	670	1000	R 1000
5x4 re	20.7	34	47	4.61	850	1000	R 1100
5x6 re	22.75	43	59	3.08	1110	1000	R 1200
5x10 rm	26	59	79	1.83	1470	1000	R 1500
5x16 rm	28.8	79	102	1.15	1880	1000	R 1500
5x25 rm	34.75	106	133	0.727	2810	1000	R 1700
5x35 rm	38.25	129	159	0.524	3460	1000	R 1800
5x50 rm	42.35	157	188	0.387	4260	1000	R 1900
5x70 rm	48.95	199	232	0.268	6010	500	R 1700
5x95 rm	55.4	246	280	0.198	7690	500	R 1800
5x120 rm	59.2	285	318	0.153	9130	500	R 1900
5x150 rm	64.7	326	359	0.124	10800	250	R 1500
5x185 rm	72.2	374	406	0.0991	13160	250	R 1700
5x240 rm	81.9	445	473	0.0754	17460	250	R 1800
3X16+10 rm	26.25	79	102	1.15/1.83	1626	1000	R 1300
3X25+16 rm	30.33	106	133	0.727/1.15	2202	1000	R 1400
3X35+16 rm	32.7	129	159	0.524/1.15	2620	1000	R 1500
3X50+25 rm	37.5	157	188	0.387/0.727	3562	1000	R 1600
3X70+35 rm	42.06	199	232	0.268/0.524	4631	1000	R 1800
3X95+50 rm	48.43	246	280	0.193/0.387	6342	500	R 1500
3X120+70 rm	52.26	285	318	0.153/0.268	7586	500	R 1700
3X150+70 rm	56.03	326	359	0.124/0.268	8741	500	R 1800
3X185+95 rm	62.75	374	406	0.0991/0.193	10873	250	R 1500
3X240+120 rm	69.47	445	473	0.754/0.153	13522	250	R 1700
3X240+120 rm	69.47	445	473	0.754/0.153	13522	250	R 1700

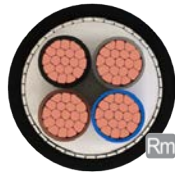
0.6 / 1 kV PVC İzoleli Yassı Çelik Tel Zırlı Güç Kabloları 0.6 / 1 kV PVC Insulated Flat Steel Wire Armoured Power Cables

YVZ3V / NYFGbY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırh
Galvanized Flat Steel Wire
Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating
temperature

160°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ3V / NYFGbY

YVZ3V / NYGby

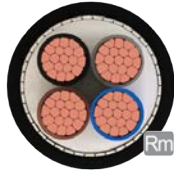
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	14.21	64	83	1.83	460	1000	R 900
1X16 rm	15.23	84	107	1.15	560	1000	R 900
1X25 rm	16.96	114	138	0.727	712	1000	R 1000
1X35 rm	18.19	139	164	0.524	852	1000	R 1100
1X50 rm	19.61	169	195	0.387	1020	1000	R 1100
1X70 rm	21.55	213	238	0.268	1312	1000	R 1200
1X95 rm	23.80	264	286	0.198	1633	1000	R 1300
1X120 rm	25.12	307	325	0.153	1910	1000	R 1400
1X150 rm	27.10	352	365	0.124	2268	1000	R 1400
1X185 rm	29.94	406	413	0.0991	2764	1000	R 1500
1X240 rm	33.00	483	479	0.0754	3434	1000	R 1600
1X300 rm	35.94	557	541	0.0601	4085	1000	R 1700
2X10 rm	20.23	59	79	1.83	902	1000	R 1200
2X16 rm	22.16	79	102	1.15	1105	1000	R 1200
2X25 rm	25.73	106	133	0.727	1507	1000	R 1400
2X35 rm	28.30	129	159	0.524	1854	1000	R 1500
3X10 rm	21.25	59	79	1.83	1015	1000	R 1100
3X16 rm	23.29	79	102	1.15	1292	1000	R 1300
3X25 rm	27.21	106	133	0.727	1784	1000	R 1400
3X35 rm	30.05	129	159	0.524	2222	1000	R 1500
3X50 rm	33.32	157	188	0.387	2757	1000	R 1600
3X70 rm	38.34	199	232	0.268	3727	1000	R 1700
3X95 rm	43.58	246	280	0.198	4870	500	R 1500
3X120 rm	47.07	285	318	0.153	5824	500	R 1600
3X150 rm	51.55	326	359	0.124	6983	500	R 1700
3X185 rm	58.10	374	406	0.0991	8731	250	R 1600
3X240 rm	64.86	445	473	0.0754	11026	250	R 1600

YVZ3V / NYFGbY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırlı
Galvanized Flat Steel Wire
Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating
temperature

160°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ3V / NYFGbY

YVZ3V / NYFGbY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	22.78	59	79	1.83	1202	1000	R 1200
4X16 rm	25.12	79	102	1.15	1515	1000	R 1400
4X25 rm	29.72	106	133	0.727	2150	1000	R 1500
4X35 rm	32.89	129	159	0.524	2689	1000	R 1600
4X50 rm	37.03	157	188	0.387	3419	1000	R 1700
4X70 rm	42.05	199	232	0.268	4565	500	R 1500
4X95 rm	48.38	246	280	0.198	6039	500	R 1600
4X120 rm	51.77	285	318	0.153	7207	500	R 1700
4X150 rm	56.79	326	359	0.124	8655	500	R 1800
4X185 rm	64.10	374	406	0.0991	10827	250	R 1800
4X240 rm	71.63	445	473	0.0754	13728	250	R 1800
5 x 10	24.51	59	79	1.83	1373	1000	R 1300
5 x 16	27.10	79	102	1.15	1770	1000	R 1400
5 x 25	32.34	106	133	0.727	2521	1000	R 1600
5 x 35	36.38	129	159	0.524	3234	1000	R 1700
5 x 50	40.42	157	188	0.387	4025	500	R 1500
5 x 70	46.53	199	232	0.268	5481	500	R 1600
5 x 95	53.08	246	280	0.198	7219	500	R 1700
5 x 120	56.90	285	318	0.153	8610	500	R 1800
5 x 150	63.01	326	359	0.124	10487	250	R 1500
5 x 185	70.54	374	406	0.0991	13002	250	R 1700
5 x 240	79.38	445	473	0.0754	16593	250	R 1800
3X16+10 rm	24.61	79	102	1.15/1.83	1439	1000	R 1300
3X25+16 rm	28.52	106	133	0.727/1.15	1978	1000	R 1500
3X35+16 rm	30.92	129	159	0.524/1.15	2391	1000	R 1500
3X50+25 rm	35.29	157	188	0.387/0.727	3107	1000	R 1600
3X70+35 rm	39.87	199	232	0.268/0.524	4094	500	R 1500
3X95+50 rm	45.22	246	280	0.193/0.387	5344	500	R 1600
3X120+70 rm	49.48	285	318	0.153/0.268	6572	500	R 1700
3X150+70 rm	53.30	326	359	0.124/0.268	7671	250	R 1600
3X185+95 rm	60.28	374	406	0.0991/0.193	9686	250	R 1600
3X240+120 rm	66.83	445	473	0.754/0.153	12129	250	R 1700

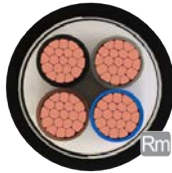
0.6 / 1 kV PVC İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV PVC Insulated Steel Double Tape Armored Power Cables

YVZ4V / NYBY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ4V / NYBY

YVZ4V / NYBY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	12.97	64	83	1.83	336	1000	R 900
1X16 rm	14.00	84	107	1.15	417	1000	R 900
1X25 rm	15.75	114	138	0.727	552	1000	R 1000
1X35 rm	16.99	139	164	0.524	674	1000	R 1000
1X50 rm	18.43	169	195	0.387	824	1000	R 1100
1X70 rm	20.39	213	238	0.268	1075	1000	R 1100
1X95 rm	22.66	264	286	0.198	1384	1000	R 1200
1X120 rm	23.99	307	325	0.153	1641	1000	R 1300
1X150 rm	25.95	352	365	0.124	1957	1000	R 1400
1X185 rm	28.78	406	413	0.0991	2413	1000	R 1500
1X240 rm	31.87	483	479	0.0754	3045	1000	R 1600
1X300 rm	34.29	557	541	0.0601	3609	1000	R 1700
2X10 rm	18.95	59	79	1.83	678	1000	R 1100
2X16 rm	20.90	79	102	1.15	866	1000	R 1100
2X25 rm	24.51	106	133	0.727	1210	1000	R 1300
2X35 rm	27.02	129	159	0.524	1513	1000	R 1400
3X10 rm	19.98	59	79	1.83	797	1000	R 1100
3X16 rm	22.04	79	102	1.15	1033	1000	R 1200
3X25 rm	25.95	106	133	0.727	1466	1000	R 1400
3X35 rm	28.78	129	159	0.524	1863	1000	R 1500
3X50 rm	32.09	157	188	0.387	2360	1000	R 1600
3X70 rm	38.48	199	232	0.268	3766	1000	R 1700
3X95 rm	43.77	246	280	0.198	4904	500	R 1500
3X120 rm	47.30	285	318	0.153	5872	500	R 1600
3X150 rm	51.81	326	359	0.124	7037	500	R 1700
3X185 rm	58.43	374	406	0.0991	8779	250	R 1600
3X240 rm	65.26	445	473	0.0754	11070	250	R 1600

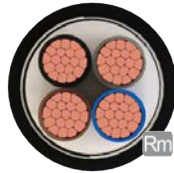
0.6 / 1 kV PVC İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV PVC Insulated Steel Double Tape Armored Power Cables

YVZ4V / NYBY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

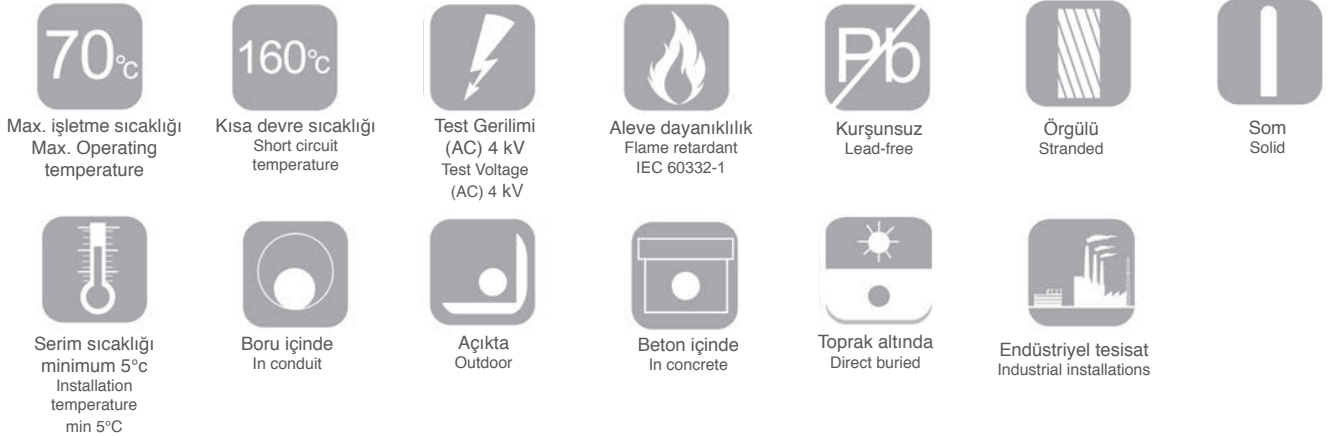
Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatmakablosuolarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YVZ4V / NYBY

YVZ4V / NYBY

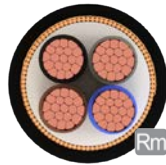
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	21.52	59	79	1.83	941	1000	R 1100
4X16 rm	23.89	79	102	1.15	1240	1000	R 1300
4X25 rm	28.45	106	133	0.727	1789	1000	R 1500
4X35 rm	31.65	129	159	0.524	2290	1000	R 1500
4X50 rm	35.83	157	188	0.387	2962	1000	R 1700
4X70 rm	42.23	199	232	0.268	4596	500	R 1500
4X95 rm	48.62	246	280	0.198	6086	500	R 1600
4X120 rm	52.04	285	318	0.153	7239	500	R 1700
4X150 rm	57.11	326	359	0.124	8703	500	R 1800
4X185 rm	64.50	374	406	0.0991	10882	250	R 1600
4X240 rm	72.09	445	473	0.0754	13769	250	R 1700
5 X 10	23.27	59	79	1.83	1095	1000	R 1300
5 X 16	25.85	79	102	1.15	1451	1000	R 1400
5 X 25	31.10	106	133	0.727	2121	1000	R 1500
5 X 35	35.17	129	159	0.524	2774	1000	R 1700
5 X 50	40.57	157	188	0.387	4077	500	R 1500
5 X 70	46.75	199	232	0.268	5519	500	R 1600
5 X 95	53.36	246	280	0.198	7250	500	R 1800
5 X 120	57.22	285	318	0.153	8660	250	R 1500
5 X 150	63.39	326	359	0.124	10522	250	R 1600
5 X 185	70.99	374	406	0.0991	13048	250	R 1700
5 X 240	79.92	445	473	0.0754	16647	250	R 1800
3X16+10 rm	23.18	79	102	1.15/1.83	1169	1000	R 1300
3X25+16 rm	26.99	106	133	0.727/1.15	1645	1000	R 1400
3X35+16 rm	29.39	129	159	0.524/1.15	2018	1000	R 1500
3X50+25 rm	33.76	157	188	0.387/0.727	2678	1000	R 1600
3X70+35 rm	39.65	199	232	0.268/0.524	4149	1000	R 1800
3X95+50 rm	45.00	246	280	0.193/0.387	5400	500	R 1500
3X120+70 rm	49.26	285	318	0.153/0.268	6632	500	R 1700
3X150+70 rm	53.08	326	359	0.124/0.268	7728	500	R 1800
3X185+95 rm	66.06	374	406	0.0991/0.193	9748	250	R 1500
3X240+120 rm	66.61	445	473	0.754/0.153	12215	250	R 1700

YVCV / NYCY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160° C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVCV / NYCY

YVCY / NYCY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2X1.5/1.5	13.7	19.5	27	12.1	237	1000	R 900
2X2.5/2.5	14.81	26	36	7.41	288	1000	R 1000
2X4/4	16.87	34	47	4.61	384	1000	R 1000
2X6/6	18.25	44	59	3.08	470	1000	R 1100
2X10/10	21.30	60	79	1.83	667	1000	R 1100
2X16/16	23.90	80	102	1.15	894	1000	R 1300
2X25/16	27.50	108	133	0.727	1214	1000	R 1500
2X35/16	30.10	132	160	0.524	1507	1000	R 1500
3X1.5/1.5	14.18	19.5	27	12.1	262	1000	R 900
3X2.5/2.5	15.35	26	36	7.41	322	1000	R 1000
3X4/4	17.55	34	47	4.61	436	1000	R 1100
3X6/6	19	44	59	3.08	540	1000	R 1100
3X10/10	22.25	60	79	1.83	776	1000	R 1200
3X16/16	25.01	80	102	1.15	1056	1000	R 1400
3X25/16	28.99	108	133	0.727	1469	1000	R 1500
3X35/16	31.79	132	160	0.524	1849	1000	R 1600
3X50/25	34.22	160	190	0.387	2396	1000	R 1600
3X70/35	39.15	202	234	0.268	3298	1000	R 1800
3X95/50	44.80	249	280	0.198	4429	500	R 1500
3X120/70	48.62	289	319	0.153	5471	500	R 1700
3X150/70	53.05	329	357	0.124	6536	500	R 1800
3X185/95	59.80	377	402	0.0991	8299	250	R 1600
3X240/120	67.17	443	463	0.0754	10674	250	R 1700
3X300/150	73.84	504	518	0.0754	12944	250	R 1800

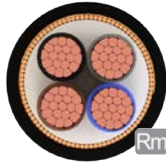
0.6 / 1 kV PVC İzoleli Konsantrik İletkenli Güç Kabloları 0.6 / 1 kV PVC Insulated Power Cable With Concentric Conductor

YVCV / NYCY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160° C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

70°C

Max. işletme sıcaklığı
Max. Operating
temperature

160°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YVCV / NYCY

YVCY / NYCY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5/1.5	14.95	19.5	27	12.10	298	1000	R 1000
4X2.5/2.5	16.23	26	36	7.41	370	1000	R 1000
4X4/4	18.65	34	47	4.61	507	1000	R 1100
4X6/6	20.24	44	59	3.08	633	1000	R 1100
4X10/10	23.80	60	79	1.83	920	1000	R 1300
4X16/16	26.83	80	102	1.15	1262	1000	R 1400
4X25/16	31.41	108	133	0.727	1794	1000	R 1600
4X35/16	34.55	132	160	0.524	2281	1000	R 1600
4X50/25	37.36	160	190	0.387	2961	1000	R 1700
4X70/35	42.83	202	234	0.268	4094	500	R 1500
4X95/50	49.10	249	280	0.198	5517	500	R 1600
4X120/70	53.28	289	319	0.153	6810	500	R 1700
4X150/70	58.25	329	357	0.124	8180	250	R 1500
4X185/95	65.72	377	402	0.0991	10379	250	R 1600
4X240/120	73.89	443	463	0.0754	13374	250	R 1800
4X300/150	81.29	504	518	0.0601	16233	250	R 1900
5X1.5/1.5	15.8	19.5	27	12.10	338	1000	R 1000
5X2.5/2.5	17.2	26	36	7.41	423	1000	R 1000
5X4/4	19.8	34	47	4.61	583	1000	R 1100
5X6/6	21.6	44	59	3.08	736	1000	R 1200
5X10/10	25.5	60	79	1.83	1078	1000	R 1400
5X16/16	28.9	80	102	1.15	1493	1000	R 1500
5X25/16	34	108	133	0.727	2147	1000	R 1700
5X35/16	37.5	132	160	0.524	2749	1000	R 1700
5X50/25	40.8	160	190	0.387	3579	500	R 1500
5X70/35	46.8	202	234	0.268	4957	500	R 1600
5X95/50	53.7	249	280	0.198	6689	500	R 1700
5X120/70	58.3	289	319	0.153	8252	250	R 1500
5X150/70	63.8	329	357	0.124	9945	250	R 1600
5X185/95	72.1	377	402	0.0991	12625	250	R 1700
5X240/120	81.1	443	463	0.0754	16282	250	R 1900



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





0.6 / 1 KV PVC İZOLELİ SEKTÖR KESİTLİ GÜÇ KABLOLARI
0.6 / 1 KV PVC INSULATED STRANDED SECTORAL
CONDUCTOR POWER CABLES
66 - 75



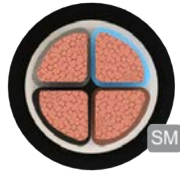
0.6 / 1 kV PVC İzoleli Sektör Kesitli Güç Kabloları 0.6 / 1 kV PVC Insulated Stranded Sectoral Conductor Power Cables

NY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

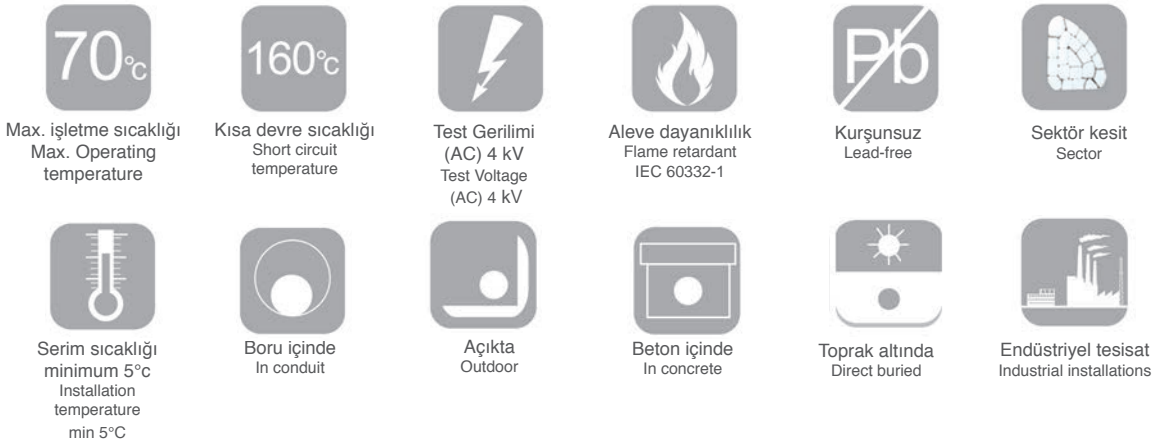
Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in place where the mechanical stresses are low. used as surface mounted. in ducts. underground. as mains and lighting cables.

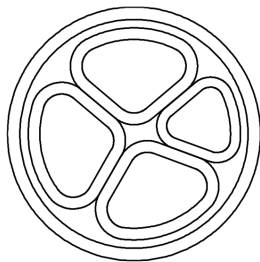


TEKNİK ÖZELLİKLER TECHNICAL DATA

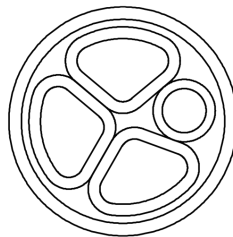
NYY (SM)

NYY (SM)

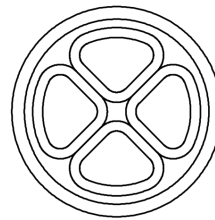
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	24.50	160	190	0.387	1619	1000	R 1400
3X70 SM	27.30	202	234	0.268	2235	1000	R 1500
3X95 SM	30.70	249	280	0.198	3019	1000	R 1600
3X120 SM	33.30	289	319	0.153	3725	1000	R 1700
3X150 SM	37.30	329	357	0.124	4604	500	R 1400
3X185 SM	41.10	377	402	0.0991	5776	500	R 1500
3X240 SM	46.40	443	463	0.0754	7515	500	R 1600
4X50 SM	27.00	160	190	0.387	2087	1000	R 1500
4X70 SM	30.80	202	234	0.268	2923	1000	R 1600
4X95 SM	35.20	249	280	0.198	3999	500	R 1400
4X120 SM	38.60	289	319	0.153	4945	500	R 1500
4X150 SM	42.70	329	357	0.124	6091	500	R 1500
4X185 SM	46.90	377	402	0.0991	7636	500	R 1600
4X240 SM	52.90	443	463	0.0754	9946	250	R 1500
3x50 SM/25 RM	26.20	157	188	0.387/0.727	1876	1000	R 1500
3x70 SM/35 SM	29.20	199	232	0.268/0.524	2581	1000	R 1500
3x95 SM/50 SM	33.90	246	280	0.193/0.387	3539	1000	R 1600
3x120 SM/70 SM	39.10	285	318	0.153/0.268	4480	500	R 1500
3x150 SM/70 SM	40.80	326	359	0.124/0.268	5319	500	R 1500
3x185 SM/95 SM	45.00	374	406	0.0991/0.193	6757	500	R 1600
3x240 SM/ 120 SM	50.90	445	473	0.754/0.153	8739	250	R 1700



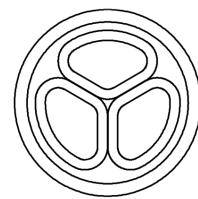
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



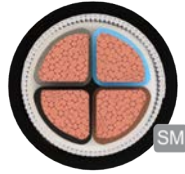
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NYRY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırh teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Boru içinde
In conduit



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



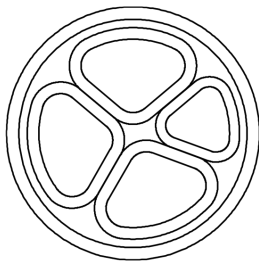
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

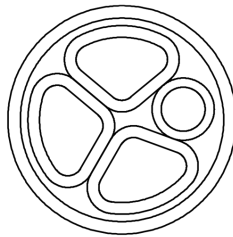
NYRY (SM)

NYRY (SM)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	30.89	160	190	0.387	2607	1000	R 1500
3X70 SM	34.83	202	234	0.268	3561	1000	R 1600
3X95 SM	38.61	249	280	0.198	4524	1000	R 1800
3X120 SM	41.26	289	319	0.153	5357	500	R 1500
3X150 SM	46.34	329	357	0.124	6808	500	R 1600
3X185 SM	50.18	377	402	0.0991	8252	500	R 1700
3X240 SM	55.53	443	463	0.0754	10285	250	R 1500
4X50 SM	34.94	160	190	0.387	3426	1000	R 1600
4X70 SM	38.70	202	234	0.268	4444	1000	R 1800
4X95 SM	43.21	249	280	0.198	5735	500	R 1500
4X120 SM	47.69	289	319	0.153	7226	500	R 1600
4X150 SM	51.80	329	357	0.124	8614	500	R 1700
4X185 SM	56.12	377	402	0.0991	10503	250	R 1500
4X240 SM	62.17	443	463	0.0754	13152	250	R 1600
3x50 SM/25 RM	34.31	157	188	0.387/0.727	3272	1000	R 1700
3x70 SM/35 SM	37.42	199	232	0.268/0.524	4056	1000	R 1700
3x95 SM/50 SM	42.16	246	280	0.193/0.387	5226	500	R 1500
3x120 SM/70 SM	48.60	285	318	0.153/0.268	7038	500	R 1700
3x150 SM/70 SM	50.35	326	359	0.124/0.268	7808	500	R 1700
3x185 SM/95 SM	54.61	374	406	0.0991/0.193	9516	250	R 1500
3x240 SM/ 120SM	60.61	445	473	0.754/0.153	11918	250	R 1500



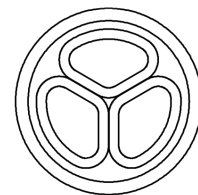
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



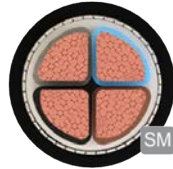
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NYFGbY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırh
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Boru içinde
In conduit



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



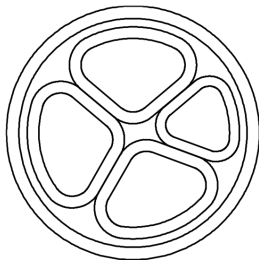
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

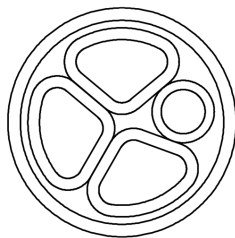
NYFGbY (SM)

NYFGbY (SM)

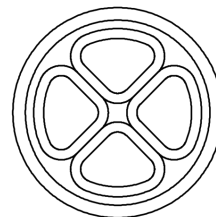
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	28.86	160	190	0.387	2328	1000	R 1500
3X70 SM	31.97	202	234	0.268	3035	1000	R 1600
3X95 SM	36.22	249	280	0.198	3964	500	R 1400
3X120 SM	38.90	289	319	0.153	4751	500	R 1500
3X150 SM	42.93	329	357	0.124	5750	500	R 1500
3X185 SM	47.25	377	402	0.0991	7113	500	R 1600
3X240 SM	52.65	443	463	0.0754	9018	500	R 1700
4X50 SM	32.08	160	190	0.387	2903	1000	R 1600
4X70 SM	36.31	202	234	0.268	3881	1000	R 1700
4X95 SM	40.86	249	280	0.198	5106	500	R 1500
4X120 SM	44.30	289	319	0.153	6153	500	R 1500
4X150 SM	48.88	329	357	0.124	7459	500	R 1700
4X185 SM	53.25	377	402	0.0991	9215	500	R 1800
4X240 SM	59.80	443	463	0.0754	11710	250	R 1400
3X50 SM/25 RM	31.25	157	188	0.387/0.727	2766	1000	R 1500
3X70 SM/35 SM	34.80	199	232	0.268/0.524	3509	1000	R 1700
3X95 SM/50 SM	39.54	246	280	0.193/0.387	4614	500	R 1500
3X120 SM/70 SM	44.89	285	318	0.153/0.268	5901	500	R 1500
3X150 SM/70 SM	47.07	326	359	0.124/0.268	6662	500	R 1600
3X185 SM/95 SM	51.33	374	406	0.0991/0.193	8248	500	R 1700
3X240 SM/ 120 SM	57.77	445	473	0.754/0.153	10503	250	R 1500



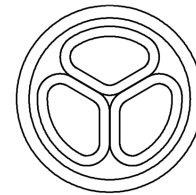
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



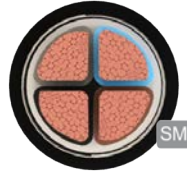
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NYBY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelere karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70°C
Short circuit temperature	: 160°C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



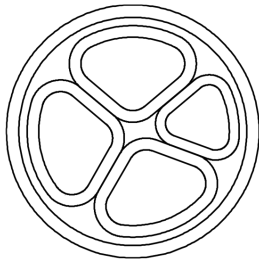
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

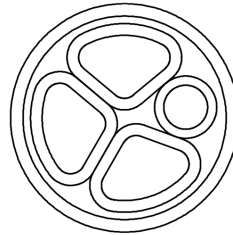
NYBY (SM)

NYBY (SM)

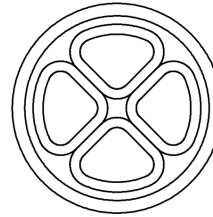
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50 SM	27.62	160	190	0.387	2049	1000	R 1500
3X70 SM	32.09	202	234	0.268	3149	1000	R 1600
3X95 SM	35.06	249	280	0.198	3618	1000	R 1700
3X120 SM	39.09	289	319	0.153	4898	500	R 1500
3X150 SM	43.16	329	357	0.124	5889	500	R 1500
3X185 SM	47.52	377	402	0.0991	7281	500	R 1600
3X240 SM	52.97	443	463	0.0754	9199	500	R 1800
4X50 SM	30.88	160	190	0.387	2590	1000	R 1500
4X70 SM	35.15	202	234	0.268	3523	1000	R 1700
4X95 SM	41.07	249	280	0.198	5246	500	R 1500
4X120 SM	44.54	289	319	0.153	6320	500	R 1500
4X150 SM	49.17	329	357	0.124	7601	500	R 1700
4X185 SM	53.58	377	402	0.0991	9391	500	R 1800
4X240 SM	60.19	443	463	0.0754	11923	250	R 1500
3x50 SM/25 RM	29.99	157	188	0.387/0.727	2467	1000	R 1500
3x70 SM/35 SM	33.58	199	232	0.268/0.524	3168	1000	R 1600
3x95 SM/50 SM	39.69	246	280	0.193/0.387	4734	500	R 1500
3x120 SM/70 SM	45.09	285	318	0.153/0.268	6113	500	R 1500
3x150 SM/70 SM	47.30	326	359	0.124/0.268	6850	500	R 1600
3x185 SM/95 SM	51.59	374	406	0.0991/0.193	8429	500	R 1700
3x240 SM/ 120 SM	58.10	445	473	0.754/0.153	10709	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



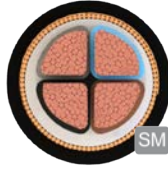
$$\alpha = 120^\circ$$

NYCY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



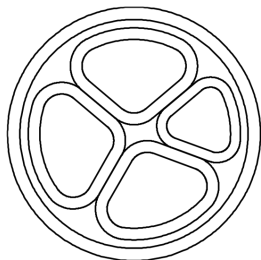
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

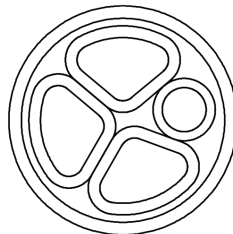
NYCY (SM)

NYCY (SM)

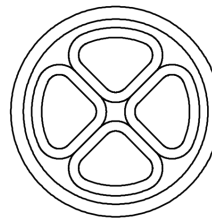
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50 SM / 25	30.17	160	190	0.387	2137	1000	R 1500
3X70 SM / 35	33.75	202	234	0.268	2883	1000	R 1700
3X95 SM / 50	38.05	249	280	0.198	3838	500	R 1400
3X120 SM / 70	41.48	289	319	0.153	4773	500	R 1500
3X150 SM / 70	45.48	329	357	0.124	5700	500	R 1500
3X185 SM / 95	50.11	377	402	0.0991	7132	500	R 1700
3X240 SM / 120	56.18	443	463	0.0754	9175	500	R 1800
4X50 SM / 25	33.36	160	190	0.387	2583	1000	R 1600
4X70 SM / 35	37.62	202	234	0.268	3573	1000	R 1800
4X95 SM / 50	42.65	249	280	0.198	4778	500	R 1500
4X120 SM / 70	46.83	289	319	0.153	5972	500	R 1600
4X150 SM / 70	50.93	329	357	0.124	7143	500	R 1700
4X185 SM / 95	56.06	377	402	0.0991	8924	500	R 1800
4X240 SM / 120	62.82	443	463	0.0754	11496	250	R 1600



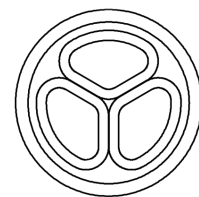
$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$



L	Gösterge	gr
10		9,9998
55		54,9997
110		109,9998
165		164,9999
220		220,0004

EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





0.6 / 1 KV XLPE İZOLELİ GÜÇ KABLOLARI
0.6 / 1 KV XLPE INSULATED POWER CABLES
78 - 105



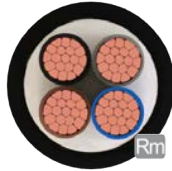
0.6 / 1 kV XLPE İzoleli Güç Kabloları 0.6 / 1 kV XLPE Insulated Power Cables

YXV / N2XY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellİ Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YXV / N2XY

YXV / N2XY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

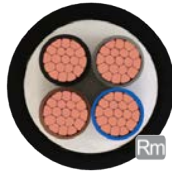
1X4 re	6.45	44	54	4.61	100	1000	R 500
1X6 re	6.95	56	67	3.08	125	1000	R 500
1X10 rm	8.1	77	89	1.83	139	1000	R 600
1X16 rm	9.1	102	115	1.15	198	1000	R 700
1X25 rm	10.8	138	148	0.727	295	1000	R 700
1X35 rm	11.85	170	177	0.524	387	1000	R 800
1X50 rm	13.35	207	209	0.387	508	1000	R 900
1X70 rm	15.25	263	256	0.268	715	1000	R 1000
1X95 rm	17.15	325	307	0.198	964	1000	R 1000
1X120 rm	18.65	380	349	0.153	1199	1000	R 1100
1X150 rm	20.75	437	391	0.124	1475	1000	R 1100
1X185 rm	23.35	507	442	0.0991	1856	1000	R 1300
1X240 rm	26.15	604	509	0.0754	2406	1000	R 1400
1X300 rm	29.25	697	569	0.0601	2946	1000	R 1500
2X1.5 re	10.15	24	31	12.1	140	1000	R 700
2X2.5 re	10.95	32	40	7.41	173	1000	R 700
2X4 re	11.85	42	52	4.61	218	1000	R 800
2X6 re	12.85	53	64	3.08	275	1000	R 800
2X10 rm	15.35	74	86	1.83	411	1000	R 1000
2X16 rm	17.45	98	112	1.15	573	1000	R 1000
2X25 rm	20.85	133	145	0.727	848	1000	R 1100
2X35 rm	23.65	162	174	0.524	1131	1000	R 1300
3X1.5 re	11.05	24	31	12.1	157	1000	R 700
3X2.5 re	11.95	32	40	7.41	200	1000	R 800
3X4 re	13.05	42	52	4.61	258	1000	R 800
3X6 re	14.25	53	64	3.08	332	1000	R 900
3X10 rm	15.95	74	86	1.83	492	1000	R 1000
3X16 rm	18.05	98	112	1.15	695	1000	R 1000
3X25 rm	21.85	133	145	0.727	1048	1000	R 1200
3X35 rm	24.05	162	174	0.524	1362	1000	R 1300
3X50 rm	28.15	197	206	0.387	1850	1000	R 1500
3X70 rm	32.65	250	254	0.268	2613	1000	R 1600
3X95 rm	37.35	308	305	0.198	3540	500	R 1400
3X120 rm	40.55	359	348	0.153	4355	500	R 1500
3X150 rm	45.45	412	392	0.124	5402	500	R 1600
3X185 rm	51.15	475	444	0.0991	6805	500	R 1700
3X240 rm	57.55	564	517	0.0754	8808	250	R 1500
3X300 rm	64.15	649	585	0.0754	10790	250	R 1600

YXV / N2XY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YXV / N2XY

YXV / N2XY

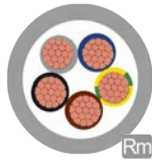
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	11.35	24	31	12.10	184	1000	R 700
4X2.5 re	12.25	32	40	7.41	234	1000	R 800
4X4 re	13.35	42	52	4.61	306	1000	R 900
4X6 re	14.55	53	64	3.08	398	1000	R 900
4X10 rm	17.95	74	86	1.83	629	1000	R 1000
4X16 rm	20.25	98	112	1.15	888	1000	R 1100
4X25 rm	24.85	133	145	0.727	1359	1000	R 1400
4X35 rm	27.45	162	174	0.524	1775	1000	R 1500
4X50 rm	31.35	197	206	0.387	2347	1000	R 1500
4X70 rm	36.15	250	254	0.268	3299	1000	R 1700
4X95 rm	40.85	308	305	0.198	4425	500	R 1500
4X120 rm	44.45	359	348	0.153	5468	500	R 1500
4X150 rm	49.55	412	392	0.124	6742	500	R 1700
4X185 rm	55.85	475	444	0.0991	8499	250	R 1500
4X240 rm	62.55	564	517	0.0754	10969	250	R 1600
4X300 rm	69.95	649	585	0.0601	13460	250	R 1700
5X1.5 re	13.05	24	31	12.10	244	1000	R 800
5X2.5 re	14.15	32	40	7.41	310	1000	R 900
5X4 re	15.35	42	52	4.61	402	1000	R 900
5X6 re	16.75	53	64	3.08	520	1000	R 1000
5X10 rm	19.85	74	86	1.83	779	1000	R 1100
5X16 rm	22.55	98	112	1.15	1108	1000	R 1200
5X25 rm	27.15	133	145	0.727	1662	1000	R 1500
5X35 rm	26.8	162	174	0.524	1640	1000	R 1400
5X50 rm	29.8	197	206	0.387	2160	1000	R 1500
5X70 rm	34.2	250	254	0.268	2872	1000	R 1600
5X95 rm	39.5	308	305	0.198	4049	500	R 1500
5X120 rm	44.7	359	348	0.153	5443	500	R 1500
5X150 rm	48.7	412	392	0.124	6738	500	R 1600
5X185 rm	54.3	475	444	0.0991	8309	250	R 1500
5X240 rm	61.4	564	517	0.0754	10503	250	R 1500
3X16+10 rm	20.15	98	112	1.15/1.83	835	1000	R 1100
3X25+16 rm	23.85	133	145	0.727/1.15	1236	1000	R 1300
3X35+16 rm	25.75	162	174	0.524/1.15	1540	1000	R 1400
3X50+25 rm	29.75	197	206	0.387/0.727	2089	1000	R 1500
3X70+35 rm	34.05	250	254	0.268/0.524	2910	1000	R 1700
3X95+50 rm	38.45	308	305	0.193/0.387	3894	500	R 1500
3X120+70 rm	42.85	359	348	0.153/0.268	4982	500	R 1500
3X150+70 rm	46.55	412	392	0.124/0.268	5913	500	R 1600
3X185+95 rm	52.95	475	444	0.0991/0.193	7594	500	R 1800
3X240+120 rm	58.95	564	517	0.754/0.153	9730	250	R 1500

RV-K



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
NFC 32-321

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

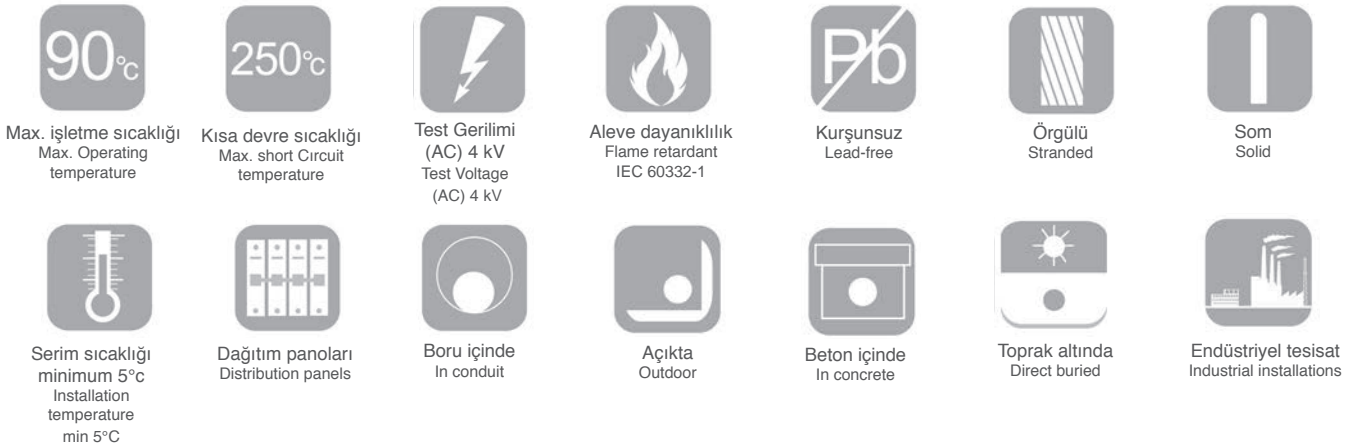
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



TEKNİK ÖZELLİKLER TECHNICAL DATA

RV-K

RV-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1 x 1.5	5.6	24	31	12.10	41	1000	R 500
1 x 2.5	6	33	41	7.41	55	1000	R 500
1 x 4	6.5	45	53	4.61	75	1000	R 500
1 x 6	7.3	58	66	3.08	100	1000	R 600
1 x 10	8	80	87	1.83	140	1000	R 600
1 x 16	8.9	107	113	1.15	200	1000	R 600
1 x 25	11.4	138	144	0.727	300	1000	R 700
1 x 35	12.7	169	174	0.524	400	1000	R 800
1 x 50	14.5	207	206	0.387	535	1000	R 800
1 x 70	16.7	268	254	0.268	740	1000	R 900
1 x 95	18.8	328	301	0.198	950	1000	R 1000
1 x 120	20.8	382	343	0.153	1200	1000	R 1000
1 x 150	23.5	441	387	0.124	1500	1000	R 1100
1 x 185	25.5	506	434	0.0991	1900	1000	R 1300
1 x 240	28.8	599	501	0.0754	2350	1000	R 1400
1 x 300	31.5	693	565	0.0601	3000	1000	R 1500
2 x 1.5	9.5	26	37	12.10	100	1000	R 700
2 x 2.5	10.5	36	48	7.410	120	1000	R 700
2 x 4	11.5	49	63	4.610	170	1000	R 700
2 x 6	12.5	63	80	3.080	250	1000	R 800
2 x 10	14.5	86	104	1.830	330	1000	R 900
2 x 16	16.5	115	136	1.150	510	1000	R 1000
2 x 25	21.5	149	173	0.727	800	1000	R 1100
2 x 35	24	185	208	0.524	1040	1000	R 1300
3 x 1.5	9.8	23	31	12.10	120	1000	R 700
3 x 2.5	10.8	31	41	7.410	150	1000	R 700
3 x 4	12	42	53	4.610	205	1000	R 800
3 x 6	13	54	66	3.080	300	1000	R 800
3 x 10	15.5	75	87	1.830	460	1000	R 1000
3 x 16	17.5	100	113	1.150	650	1000	R 1000
3 x 25	22.5	127	144	0.727	1010	1000	R 1100
3 x 35	25.5	158	174	0.524	1350	1000	R 1300
3 x 50	29.3	192	206	0.387	1850	1000	R 1500
3 x 70	34.3	246	254	0.268	2500	1000	R 1600
3 x 95	38.5	298	301	0.198	3450	500	R 1400
3 x 120	43	346	343	0.153	4400	500	R 1500
3 x 150	48.5	395	387	0.124	5400	500	R 1500
3 x 185	53	450	434	0.0991	6500	500	R 1700
3 x 240	60	538	501	0.0754	8600	250	R 1500
4 x 1.5	10.5	23	31	12.10	135	1000	R 700
4 x 2.5	12	31	41	7.410	180	1000	R 800
4 x 4	13	42	53	4.610	250	1000	R 800
4 x 6	14	54	66	3.080	370	1000	R 900
4 x 10	16.5	75	87	1.830	570	1000	R 1000
4 x 16	19	100	113	1.150	815	1000	R 1100
4 x 25	24.8	127	144	0.727	1300	1000	R 1400
4 x 35	27.9	158	174	0.524	1680	1000	R 1500
4 x 50	32.5	192	206	0.387	2340	1000	R 1500
4 x 70	38	246	254	0.268	3260	1000	R 1700
4 x 95	42.8	298	301	0.198	4100	500	R 1500
4 x 120	48.1	346	343	0.153	5300	500	R 1500
5 x 4	14	45	37	4.610	290	1000	R 900
5 x 6	15.5	54	46	3.080	390	1000	R 1000
5 x 10	18	75	61	1.830	655	1000	R 1100
3 x 50+25	31.5	192	206	0.387/0.727	2100	1000	R 1500
3 x 70+35	36.5	246	254	0.268/0.524	2900	1000	R 1700
3 x 95+50	41.5	298	301	0.193/0.387	3700	500	R 1400
3 x 120+70	45.5	346	343	0.153/0.268	5200	500	R 1500
3 x 150+70	51.5	395	387	0.124/0.268	6300	500	R 1600
3 x 185+95	55.8	450	434	0.0991/0.193	7800	500	R 1700
3 x 240+120	64.5	538	501	0.754/0.153	9600	250	R 1500

U-1000 R2V



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath



- 1.5 mm²
- 2.5 mm²
- 4 mm²
- 6 mm²
- 10 mm²
- 16 mm²



STANDARD
XP C 32-321

ÖZELLİK

Bu kablolar dış kılıfındaki özel renk kodlaması sayesinde 1.5 - 2.5 - 4 - 6 - 10 - 16 mm² kesitleri ölçüm yapmadan anlaşılacak üzere tasarlanmıştır. UV dayanımı sayesinde hiç bir ek korumaya gerek olmadan tüm hava şartlarında kullanılabilir.

SPECIALITY

The special color coding in this cable is designed to understand cross sections of 1.5 - 2.5 - 4 - 6 - 10 - 16 mm² without measurement. Since these cables have UV resistance. they can be used at all weather conditions without requiring any additional protection.

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika veya mekanik hasar beklemeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

90°C
Max. işletme sıcaklığı
Max. Operating temperature

250°C
Kısa devre sıcaklığı
Max. short Circuit temperature

Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV

Aleve dayanıklılık
Flame retardant
IEC 60332-1

Pb
Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C

Dağıtım panoları
Distribution panels

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

U-1000 R2V

U-1000 R2V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

1X10 rm	7.8	77	89	1.83	134	1000	R 600
1X16 rm	8.8	102	115	1.15	192	1000	R 600
1X25 rm	10.5	138	148	0.727	288	1000	R 700
1X35 rm	11.5	170	177	0.524	378	1000	R 800
1X50 rm	13	207	209	0.387	497	1000	R 800
1X70 rm	14.9	263	256	0.268	703	1000	R 900
1X95 rm	16.8	325	307	0.198	950	1000	R 1000
1X120 rm	18.3	380	349	0.153	1183	1000	R 1000
1X150 rm	20.4	437	393	0.124	1458	1000	R 1100
1X185 rm	23	507	445	0.0991	1837	1000	R 1300
1X240 rm	25.8	604	517	0.0754	2385	1000	R 1400
1X300 rm	28.9	697	663	0.0601	2922	1000	R 1500
2X1.5 re	9.8	24	31	12.1	132	1000	R 700
2X2.5 re	10.6	32	40	7.41	165	1000	R 700
2X4 re	11.5	42	52	4.61	209	1000	R 700
2X6 re	12.5	53	64	3.08	264	1000	R 800
2X10 rm	15	74	86	1.83	399	1000	R 900
2X16 rm	17.1	98	112	1.15	559	1000	R 1000
2X25 rm	20.5	133	145	0.727	830	1000	R 1100
2X35 rm	23.3	162	174	0.524	1111	1000	R 1300
3X1.5 re	10.2	24	31	12.1	149	1000	R 700
3X2.5 re	11.1	32	40	7.41	190	1000	R 700
3X4 re	12.1	42	52	4.61	248	1000	R 800
3X6 re	13.1	53	64	3.08	318	1000	R 800
3X10 rm	15.6	74	86	1.83	479	1000	R 1000
3X16 rm	17.7	98	112	1.15	680	1000	R 1000
3X25 rm	21.5	133	145	0.727	1030	1000	R 1100
3X35 rm	23.7	162	174	0.524	1342	1000	R 1300
3X50 rm	27.8	197	206	0.387	1827	1000	R 1500
3X70 rm	32.3	250	254	0.268	2586	1000	R 1600
3X95 rm	36.9	308	305	0.198	3501	500	R 1400
3X120 rm	40.2	359	348	0.153	4322	500	R 1500
3X150 rm	45.1	412	392	0.124	5365	500	R 1500
3X185 rm	50.8	475	444	0.0991	6763	500	R 1700
3X240 rm	57.2	564	517	0.0754	8761	250	R 1500
3X300 rm	63.8	649	585	0.0754	10737	250	R 1600

U-1000 R2V



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath



- 1.5 mm²
- 2.5 mm²
- 4 mm²
- 6 mm²
- 10 mm²
- 16 mm²



STANDARD
XP C 32-321

ÖZELLİK

Bu kablolar dış kılıfındaki özel renk kodlaması sayesinde 1.5 - 2.5 - 4 - 6 - 10 - 16 mm² kesitleri ölçüm yapmadan anlaşılacak üzere tasarlanmıştır. UV dayanımı sayesinde hiç bir ek korumaya gerek olmadan tüm hava şartlarında kullanılabilir.

SPECIALITY

The special color coding in this cable is designed to understand cross sections of 1.5 - 2.5 - 4 - 6 - 10 - 16 mm² without measurement. Since these cables have UV resistance, they can be used at all weather conditions without requiring any additional protection.

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika veya mekanik hasar beklemeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected, in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

U-1000 R2V

U-1000 R2V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
4X1.5 re	10.9	24	31	12.10	172	1000	R 700
4X2.5 re	11.9	32	40	7.41	224	1000	R 800
4X4 re	13	42	52	4.61	296	1000	R 800
4X6 re	14.2	53	64	3.08	386	1000	R 900
4X10 rm	17.6	74	86	1.83	614	1000	R 1000
4X16 rm	19.9	98	112	1.15	871	1000	R 1100
4X25 rm	24.5	133	145	0.727	1339	1000	R 1400
4X35 rm	27.1	162	174	0.524	1752	1000	R 1500
4X50 rm	31	197	206	0.387	2322	1000	R 1500
4X70 rm	35.8	250	254	0.268	3270	1000	R 1700
4X95 rm	40.4	308	305	0.198	4382	500	R 1500
4X120 rm	44.1	359	348	0.153	5432	500	R 1500
4X150 rm	49.1	412	392	0.124	6690	500	R 1600
4X185 rm	55.4	475	444	0.0991	8440	500	R 1800
4X240 rm	62.2	564	517	0.0754	10918	250	R 1500
4X300 rm	69.5	649	585	0.0601	13386	250	R 1700
5X1.5 re	12.2	24	31	12.10	217	1000	R 800
5X2.5 re	13.3	32	40	7.41	281	1000	R 900
5X4 re	15	42	52	4.61	389	1000	R 900
5X6 re	16.4	53	64	3.08	506	1000	R 1000
5X10 rm	19.5	74	86	1.83	763	1000	R 1100
5X16 rm	22.2	98	112	1.15	1089	1000	R 1200
5X25 rm	26.8	133	145	0.727	1640	1000	R 1400
5X35 rm	26.8	162	174	0.524	1640	1000	R 1400
5X50 rm	29.8	197	206	0.387	2160	1000	R 1500
5X70 rm	34.2	250	254	0.268	2872	1000	R 1700
5X95 rm	39.5	308	305	0.198	4049	500	R 1200
5X120 rm	44.7	359	348	0.153	5443	500	R 1500
5X150 rm	48.7	412	392	0.124	6738	500	R 1700
5X185 rm	54.3	475	444	0.0991	8309	250	R 1500
5X240 rm	61.4	564	517	0.0754	10503	250	R 1500
3X16+10 rm	20.15	98	112	1.15/1.83	16673	1000	R 1100
3X25+16 rm	23.85	133	145	0.727/1.15	1236	1000	R 1300
3X35+16 rm	25.75	162	174	0.524/1.15	1540	1000	R 1400
3X50+25 rm	29.75	197	206	0.387/0.727	2089	1000	R 1500
3X70+35 rm	34.05	250	254	0.268/0.524	2910	1000	R 1700
3X95+50 rm	38.45	308	305	0.193/0.387	3894	500	R 1400
3X120+70 rm	42.85	359	348	0.153/0.268	4982	500	R 1500
3X150+70 rm	46.55	412	392	0.124/0.268	5913	500	R 1600
3X185+95 rm	52.95	475	444	0.0991/0.193	7594	500	R 1700
3X240+120 rm	58.95	564	517	0.754/0.153	9730	250	R 1500

U-1000 RVFV



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf İç Kılıf
PVC Inner Sheath
- 5) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 6) PVC Kılıf
PVC Sheath



STANDARD
NFC 32-322

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bu kablolar, sabit tesisler için doğrudan gömülü olarak, kablo kanallarında, iç mekanlarda, açık havada veya suda bulunurlar. Mekanik hasarların beklenebileceği bir ortamda özel olarak kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

These cables are suitable for fixed installations, directly buried, in cable ducts, indoors, outdoors, or in water. They are specially used in an environment where mechanical damages could be expected.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

U-1000 RVFV

U-1000 RVFV

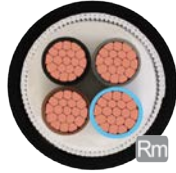
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2 x 10	17.00	86	104	1.8300	480	1000	R 1000
2 x 16	19.00	115	136	1.1500	685	1000	R 1100
2 x 25	23.00	149	173	0.7270	1030	1000	R 1300
2 x 35	25.00	185	208	0.5240	1370	1000	R 1400
3 x 10	19.00	75	87	1.8300	595	1000	R 1100
3 x 16	21.00	100	113	1.1500	820	1000	R 1100
3 x 25	24.00	127	144	0.7270	1220	1000	R 1300
3 x 35	26.00	158	174	0.5240	1615	1000	R 1400
3 x 50	30.00	192	206	0.3870	2250	1000	R 1500
3 x 70	37.50	246	254	0.2680	2800	1000	R 1700
3 x 95	43.50	298	301	0.1980	4380	500	R 1500
3 x 120	47.50	345	343	0.1530	5200	500	R 1500
3 x 150	53.00	399	387	0.1240	6300	500	R 1600
3 x 185	58.00	456	434	0.0991	7600	250	R 1500
3 x 240	65.50	598	501	0.0754	9600	250	R 1500
4 x 10	20.50	75	87	1.8300	710	1000	R 1100
4 x 16	22.00	100	113	1.1500	1050	1000	R 1200
4 x 25	26.00	127	144	0.7270	1510	1000	R 1400
4 x 35	28.00	158	174	0.5240	2010	1000	R 1500
4 x 50	32.00	192	206	0.3870	2600	1000	R 1600
4 x 70	39.00	246	254	0.2680	4000	500	R 1500
4 x 95	42.00	298	301	0.1980	5100	500	R 1500
4 x 120	47.00	346	343	0.1530	6700	500	R 1600
4 x 150	52.00	395	387	0.1240	8164	250	R 1500
4 x 185	55.00	456	434	0.0991	9520	250	R 1500
4 x 240	64.00	538	501	0.0754	12500	250	R 1700
5 x 10	21.00	75	87	1.8300	950	1000	R 1100
5 x 16	22.00	100	113	1.1500	1100	1000	R 1300
5 x 25	29.00	127	144	0.7270	1970	1000	R 1500
3 x 35+16	28.00	158	174	0.524/1.150	1740	1000	R 1400
3 x 35+25	29.00	158	174	0.524/0.727	2010	1000	R 1400
3 x 50+25	31.00	192	206	0.387/0.727	2470	1000	R 1500
3 x 50+35	32.00	192	206	0.387/0.524	2500	1000	R 1500
3 x 70+35	36.00	246	254	0.268/0.524	3200	1000	R 1600
3 x 70+50	36.00	246	254	0.268/0.387	3400	1000	R 1600
3 x 95+50	41.00	298	301	0.193/0.387	4750	500	R 1500
3 x 120+70	46.00	346	343	0.153/0.268	5800	500	R 1500
3 x 150+70	50.00	399	387	0.124/0.268	9950	500	R 1600
3 x 185+70	53.00	456	434	0.0991/0.268	8240	250	R 1500
3 x 185+95	53.00	456	434	0.0991/0.193	8540	250	R 1500
3 x 240+95	62.00	538	501	0.754/0.193	10500	250	R 1600

YXZ2V / N2XRY



- 1) Som veya Örgülü Rijit Bakır
Solid or Stranded Rigid Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yuvarlak Çelik Tel
Galvanized Steel Wire Armoured
- 5) PVC Dış Kılıf
PVC Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ2V / N2XRY

YXZ2V / N2XRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	13.63	77	89	1.83	339	1000	R 900
1X16 rm	14.64	102	115	1.15	419	1000	R 900
1X25 rm	17.27	138	148	0.727	659	1000	R 1000
1X35 rm	18.33	170	177	0.524	785	1000	R 1100
1X50 rm	19.84	207	209	0.387	947	1000	R 1100
1X70 rm	22.42	263	256	0.268	1332	1000	R 1200
1X95 rm	24.23	325	307	0.198	1634	1000	R 1300
1X120 rm	25.65	380	349	0.153	1926	1000	R 1400
1X150 rm	27.70	437	393	0.124	2288	1000	R 1500
1X185 rm	30.35	507	445	0.0991	2784	1000	R 1500
1X240 rm	34.08	604	517	0.0754	3686	1000	R 1700
1X300 rm	37.10	697	663	0.0601	4355	500	R 1400
2X1.5 re	13.88	24	31	12.1	338	1000	R 900
2X2.5 re	14.69	32	40	7.41	386	1000	R 1000
2X4 re	16.51	42	52	4.61	544	1000	R 1000
2X6 re	17.52	53	64	3.08	633	1000	R 1100
2X10 rm	18.22	74	86	1.83	663	1000	R 1100
2X16 rm	19.84	98	112	1.15	819	1000	R 1100
2X25 rm	22.57	133	145	0.727	1149	1000	R 1200
2X35 rm	26.00	162	174	0.524	1543	1000	R 1400
3X1.5 re	14.33	24	31	12.1	366	1000	R 900
3X2.5 re	15.20	32	40	7.41	423	1000	R 1000
3X4 re	17.09	42	52	4.61	607	1000	R 1000
3X6 re	18.18	53	64	3.08	703	1000	R 1100
3X10 rm	20.69	74	86	1.83	944	1000	R 1100
3X16 rm	23.58	98	112	1.15	1326	1000	R 1300
3X25 rm	27.34	133	145	0.727	1803	1000	R 1500
3X35 rm	29.80	162	174	0.524	2220	1000	R 1500
3X50 rm	34.16	197	206	0.387	2991	1000	R 1700
3X70 rm	38.48	250	254	0.268	3857	1000	R 1800
3X95 rm	43.76	308	305	0.198	6673	500	R 1500
3X120 rm	47.03	359	348	0.153	7921	500	R 1600
3X150 rm	51.58	412	392	0.124	9655	250	R 1500
3X185 rm	57.30	475	444	0.0991	11985	250	R 1500
3X240 rm	63.49	564	517	0.0754	15092	250	R 1600

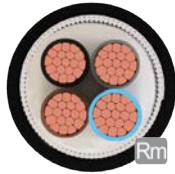
0.6 / 1 kV XLPE İzoleli Yuvarlak Çelik Tel Zırlı Güç Kabloları 0.6 / 1 kV XLPE Insulated Round Steel Wire Armoured Power Cables

YXZ2V / N2XRY



- 1) Som veya Örgülü Rijit Bakır
Solid or Stranded Rigid Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yuvarlak Çelik Tel
Galvanized Steel Wire Armoured
- 5) PVC Dış Kılıf
PVC Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ2V / N2XRY

YXZ2V / N2XRY

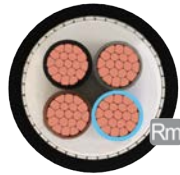
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5 re	15.96	24	31	12.1	498	1000	R 1000
4X2.5 re	16.94	32	40	7.41	573	1000	R 1000
4X4 re	18.03	42	52	4.61	681	1000	R 1100
4X6 re	19.26	53	64	3.08	805	1000	R 1100
4X10 rm	22.77	74	86	1.83	1196	1000	R 1300
4X16 rm	25.22	98	112	1.15	1545	1000	R 1400
4X25 rm	30.44	133	145	0.727	2342	1000	R 1500
4X35 rm	33.19	162	174	0.524	2873	1000	R 1600
4X50 rm	37.11	197	206	0.387	3580	1000	R 1800
4X70 rm	42.6	250	254	0.268	4912	500	R 1500
4X95 rm	47.74	308	305	0.198	6398	500	R 1600
4X120 rm	51.4	359	348	0.153	7649	500	R 1700
4X150 rm	56.5	412	392	0.124	9123	250	R 1500
4X185 rm	62.91	475	444	0.0991	11211	250	R 1600
4X240 rm	69.84	564	517	0.0754	14025	250	R 1700
5x1.5 re	16.7	24	31	12.1	550	1000	R 1000
5x2.5 re	17.8	32	40	7.41	650	1000	R 1000
5x4 re	19.1	42	52	4.61	770	1000	R 1100
5x6 re	20.4	53	64	3.08	920	1000	R 1100
5x10 rm	24	74	86	1.83	1370	1000	R 1200
5x16 rm	26.7	98	112	1.15	1790	1000	R 1500
5x25 rm	31.7	133	145	0.727	2510	1000	R 1500
5x35 rm	35.6	162	174	0.524	3360	1000	R 1700
5x50 rm	40	197	206	0.387	4230	1000	R 1800
5x70 rm	46.5	250	254	0.268	6000	500	R 1600
5x95 rm	51.7	308	305	0.198	7650	500	R 1700
5x120 rm	55.8	359	348	0.153	9170	500	R 1700
5x150 rm	61.5	412	392	0.124	10990	250	R 1500
5x185 rm	68.5	475	444	0.0991	13420	250	R 1600
5x240 rm	77.65	564	517	0.0754	17780	250	R 1800
3X16+10 rm	24.73	98	112	1.15/1.83	1452	1000	R 1400
3X25+16 rm	28.64	133	145	0.727/1.15	1981	1000	R 1500
3X35+16 rm	30.72	162	174	0.524/1.15	2362	1000	R 1500
3X50+25 rm	35.69	197	206	0.387/0.727	3268	1000	R 1700
3X70+35 rm	40.46	250	254	0.268/0.524	4376	500	R 1500
3X95+50 rm	45.69	308	305	0.193/0.387	5793	500	R 1600
3X120+70 rm	49.69	359	348	0.153/0.268	6995	500	R 1700
3X150+70 rm	53.55	412	392	0.124/0.268	8138	500	R 1800
3X185+95 rm	59.81	475	444	0.0991/0.193	10064	250	R 1500
3X240+120 rm	66.1	564	517	0.754/0.153	12501	250	R 1700

YXZ3V / N2XFGbY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel
Galvanized Flat Steel Wire
- 5) Galvanizli Çelik Tutucu Bant
Galvanized Steel Holder Band
- 6) PVC Dış Kılıf
PVC Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.

 90°C Max. işletme sıcaklığı Max. Operating temperature	 250°C Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ3V / N2XFGbY

YXZ3V / N2XFGbY

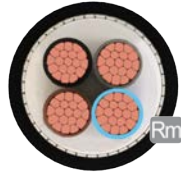
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	13.20	77	89	1.83	388	1000	R 800
1X16 rm	14.22	102	115	1.15	484	1000	R 900
1X25 rm	15.95	138	148	0.727	626	1000	R 1000
1X35 rm	17.02	170	177	0.524	755	1000	R 1000
1X50 rm	18.55	207	209	0.387	918	1000	R 1100
1X70 rm	20.44	263	256	0.268	1196	1000	R 1100
1X95 rm	22.27	325	307	0.198	1487	1000	R 1200
1X120 rm	23.70	380	349	0.153	1758	1000	R 1300
1X150 rm	25.69	437	393	0.124	2099	1000	R 1400
1X185 rm	28.31	507	445	0.0991	2557	1000	R 1500
1X240 rm	31.15	604	517	0.0754	3186	1000	R 1500
1X300 rm	33.50	697	663	0.0601	3737	1000	R 1600
2X10 rm	18.55	74	86	1.83	751	1000	R 1100
2X16 rm	20.59	98	112	1.15	973	1000	R 1100
2X25 rm	24.06	133	145	0.727	1344	1000	R 1300
2X35 rm	26.20	162	174	0.524	1624	1000	R 1400
3X10 rm	19.41	74	86	1.83	873	1000	R 1100
3X16 rm	21.61	98	112	1.15	1144	1000	R 1100
3X25 rm	25.36	133	145	0.727	1593	1000	R 1400
3X35 rm	27.75	162	174	0.524	1958	1000	R 1500
3X50 rm	31.29	197	206	0.387	2504	1000	R 1500
3X70 rm	36.09	250	254	0.268	3386	1000	R 1700
3X95 rm	40.33	308	305	0.198	4365	500	R 1500
3X120 rm	43.63	359	348	0.153	5277	500	R 1700
3X150 rm	48.66	412	392	0.124	6430	500	R 1700
3X185 rm	54.44	475	444	0.0991	7986	250	R 1500
3X240 rm	61.01	564	517	0.0754	10130	250	R 1500

YXZ3V / N2XFGbY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel
Galvanized Flat Steel Wire
- 5) Galvanizli Çelik Tutucu Bant
Galvanized Steel Holder Band
- 6) PVC Dış Kılıf
PVC Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ3V / N2XFGbY

YXZ3V / N2XFGbY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

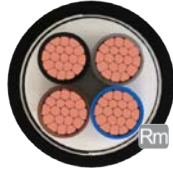
4X10 rm	20.8	74	86	1.83	1016	1000	R 1100
4X16 rm	23.27	98	112	1.15	1343	1000	R 1300
4X25 rm	27.53	133	145	0.727	1890	1000	R 1500
4X35 rm	30.31	162	174	0.524	2377	1000	R 1500
4X50 rm	34.71	197	206	0.387	3082	1000	R 1700
4X70 rm	39.59	250	254	0.268	4165	1000	R 1800
4X95 rm	44.35	308	305	0.198	5393	500	R 1500
4X120 rm	48.48	359	348	0.153	6589	500	R 1700
4X150 rm	53.63	412	392	0.124	7996	500	R 1800
4X185 rm	60.54	475	444	0.0991	9998	250	R 1500
4X240 rm	67.41	564	517	0.0754	12659	250	R 1700
5x1.5 re	15.5	24	31	12.1	490	1000	R 900
5x2.5 re	16.6	32	40	7.41	580	1000	R 1000
5x4 re	17.8	42	52	4.61	710	1000	R 1000
5x6 re	19.2	53	64	3.08	850	1000	R 1100
5x10 rm	22.4	74	86	1.83	1160	1000	R 1200
5x16 rm	25.1	98	112	1.15	1550	1000	R 1300
5x25 rm	30	133	145	0.727	2230	1000	R 1500
5x35 rm	33.1	162	174	0.524	2820	1000	R 1600
5x50 rm	38	197	206	0.387	3690	1000	R 1700
5x70 rm	43.5	250	254	0.268	5000	500	R 1500
5x95 rm	49.3	308	305	0.198	6580	500	R 1600
5x120 rm	53.4	359	348	0.153	8010	500	R 1800
5x150 rm	59.65	412	392	0.124	9760	250	R 1500
5x185 rm	66.7	475	444	0.0991	12030	250	R 1600
5x240 rm	75	564	517	0.0754	15450	250	R 1700
3X16+10 rm	22.69	98	112	1.15/1.83	1242	1000	R 1200
3X25+16 rm	26.46	133	145	0.727/1.15	1738	1000	R 1400
3X35+16 rm	28.54	162	174	0.524/1.15	2111	1000	R 1500
3X50+25 rm	32.63	197	206	0.387/0.727	2760	1000	R 1600
3X70+35 rm	37.43	250	254	0.268/0.524	3719	1000	R 1800
3X95+50 rm	41.98	308	305	0.193/0.387	4843	500	R 1500
3X120+70 rm	46.41	359	348	0.153/0.268	6034	500	R 1600
3X150+70 rm	50.28	412	392	0.124/0.268	7053	500	R 1700
3X185+95 rm	56.32	475	444	0.0991/0.193	8842	250	R 1500
3X240+120 rm	62.83	564	517	0.754/0.153	11207	250	R 1600

YXZ4V / N2XBY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ4V / N2XBY

YXZ4V / N2XBY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

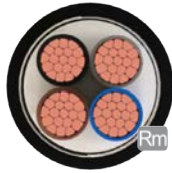
1X10 rm	11.89	77	89	1.83	321	1000	R 800
1X16 rm	12.92	102	115	1.15	398	1000	R 800
1X25 rm	14.67	138	148	0.727	533	1000	R 900
1X35 rm	15.75	170	177	0.524	654	1000	R 1000
1X50 rm	17.30	207	209	0.387	803	1000	R 1000
1X70 rm	19.20	263	256	0.268	1052	1000	R 1100
1X95 rm	21.06	325	307	0.198	1358	1000	R 1100
1X120 rm	22.50	380	349	0.153	1615	1000	R 1200
1X150 rm	24.51	437	393	0.124	1928	1000	R 1400
1X185 rm	27.07	507	445	0.0991	2375	1000	R 1500
1X240 rm	29.94	604	517	0.0754	3008	1000	R 1500
1X300 rm	33.52	697	663	0.0601	3609	1000	R 1600
2X10 rm	17.30	74	86	1.83	662	1000	R 1000
2X16 rm	19.36	98	112	1.15	848	1000	R 1100
2X25 rm	22.86	133	145	0.727	1189	1000	R 1300
2X35 rm	25.02	162	174	0.524	1489	1000	R 1400
3X10 rm	18.16	74	86	1.83	776	1000	R 1100
3X16 rm	20.39	98	112	1.15	1014	1000	R 1100
3X25 rm	24.17	133	145	0.727	1442	1000	R 1300
3X35 rm	26.51	162	174	0.524	1835	1000	R 1400
3X50 rm	30.08	197	206	0.387	2332	1000	R 1500
3X70 rm	36.25	250	254	0.268	3717	1000	R 1700
3X95 rm	40.53	308	305	0.198	4843	500	R 1500
3X120 rm	43.87	359	348	0.153	5807	500	R 1500
3X150 rm	48.95	412	392	0.124	6967	500	R 1600
3X185 rm	54.78	475	444	0.0991	8685	250	R 1500
3X240 rm	61.41	564	517	0.0754	10959	250	R 1500

YXZ4V / N2XBY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YXZ4V / N2XBY

YXZ4V / N2XBY

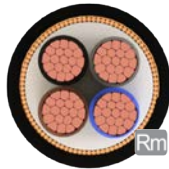
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	21.08	74	86	1.83	921	1000	R 1100
4X16 rm	22.06	98	112	1.15	1219	1000	R 1200
4X25 rm	26.30	133	145	0.727	1757	1000	R 1400
4X35 rm	29.09	162	174	0.524	2255	1000	R 1500
4X50 rm	33.53	197	206	0.387	2921	1000	R 1600
4X70 rm	39.79	250	254	0.268	4544	500	R 1500
4X95 rm	44.59	308	305	0.198	6016	500	R 1500
4X120 rm	48.76	359	348	0.153	7172	500	R 1600
4X150 rm	53.96	412	392	0.124	8630	250	R 1500
4X185 rm	60.94	475	444	0.0991	10777	250	R 1500
4X240 rm	67.87	564	517	0.0754	13651	250	R 1700
5 x 10	21.08	74	86	1.83	1090	1000	R 1100
5 x 16	23.87	98	112	1.15	1453	1000	R 1300
5 x 25	28.74	133	145	0.727	2154	1000	R 1500
5 x 35	31.87	162	174	0.524	2817	1000	R 1600
5 x 50	38.09	197	206	0.387	4146	500	R 1400
5 x 70	43.60	250	254	0.268	5614	500	R 1500
5 x 95	49.40	308	305	0.198	7379	250	R 1400
5 x 120	53.56	359	348	0.153	8827	250	R 1500
5 x 150	59.81	412	392	0.124	10729	250	R 1500
5 x 185	67.10	475	444	0.0991	13334	250	R 1700
5 x 240	75.27	564	517	0.0754	17030	250	R 1800
3X16+10 rm	23.00	98	112	1.15/1.83	1132	1000	R 1300
3X25+16 rm	25.00	133	145	0.727/1.15	1604	1000	R 1400
3X35+16 rm	26.70	162	174	0.524/1.15	1971	1000	R 1400
3X50+25 rm	30.50	197	206	0.387/0.727	2623	1000	R 1500
3X70+35 rm	34.70	250	254	0.268/0.524	3525	1000	R 1600
3X95+50 rm	39.50	308	305	0.193/0.387	4854	500	R 1500
3X120+70 rm	44.50	359	348	0.153/0.268	6050	500	R 1500
3X150+70 rm	48.50	412	392	0.124/0.268	7159	500	R 1600
3X185+95 rm	53.50	475	444	0.0991/0.193	8900	250	R 1500
3X240+120 rm	61.00	564	517	0.754/0.153	11750	250	R 1600

YXCV / N2XCY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YXCV / N2XCY

N2XCY

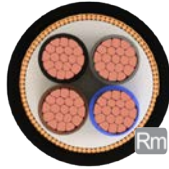
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2X1.5/1.5	13.7	24	31	12.1	237	1000	R 900
2X2.5/2.5	14.81	32	40	7.41	288	1000	R 1000
2X4/4	16.87	42	52	4.61	384	1000	R 1000
2X6/6	18.25	53	64	3.08	470	1000	R 1100
2X10/10	19.98	74	86	1.83	609	1000	R 1100
2X16/16	22.59	98	112	1.15	831	1000	R 1200
2X25/16	26.12	133	145	0.727	1135	1000	R 1400
2X35/16	28.37	162	174	0.524	1398	1000	R 1500
3X1.5/1.5	13.74	24	31	12.1	262	1000	R 900
3X2.5/2.5	14.92	32	40	7.41	322	1000	R 1000
3X4/4	16.24	42	52	4.61	436	1000	R 1000
3X6/6	17.70	53	64	3.08	540	1000	R 1100
3X10/10	20.83	74	86	1.83	712	1000	R 1100
3X16/16	23.59	98	112	1.15	984	1000	R 1300
3X25/16	27.47	133	145	0.727	1377	1000	R 1500
3X35/16	29.93	162	174	0.524	1725	1000	R 1500
3X50/25	32.58	197	206	0.387	2275	1000	R 1600
3X70/35	37.40	250	254	0.268	3149	1000	R 1800
3X95/50	42.12	308	305	0.198	4170	500	R 1500
3X120/70	46.17	359	348	0.153	5216	500	R 1600
3X150/70	50.72	412	392	0.124	6268	500	R 1700
3X185/95	57.24	475	444	0.0991	7968	250	R 1500
3X240/120	64.02	564	517	0.0754	10219	250	R 1600
3X300/150	71.28	649	585	0.0754	12533	250	R 1700

YXCV / N2XCY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

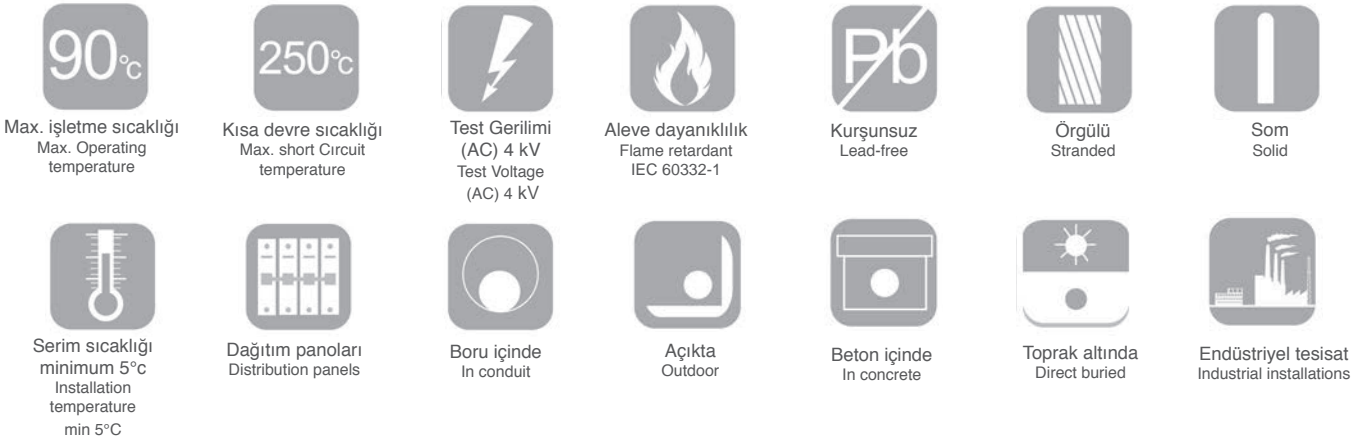
Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YXCV / N2XCY

N2XCY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5/1.5	14.46	24	31	12.10	298	1000	R 1000
4X2.5/2.5	15.74	32	40	7.41	370	1000	R 1000
4X4/4	17.19	42	52	4.61	507	1000	R 1100
4X6/6	18.77	53	64	3.08	633	1000	R 1100
4X10/10	22.21	74	86	1.83	842	1000	R 1200
4X16/16	25.22	98	112	1.15	1174	1000	R 1400
4X25/16	29.71	133	145	0.727	1682	1000	R 1500
4X35/16	32.45	162	174	0.524	2129	1000	R 1600
4X50/25	35.53	197	206	0.387	2812	1000	R 1700
4X70/35	40.87	250	254	0.268	3911	500	R 1500
4X95/50	46.10	308	305	0.198	5198	500	R 1600
4X120/70	50.54	359	348	0.153	6496	500	R 1700
4X150/70	55.64	412	392	0.124	7849	500	R 1800
4X185/95	62.84	475	444	0.0991	9969	250	R 1600
4X240/120	70.36	564	517	0.0754	12810	250	R 1700
4X300/150	78.41	649	585	0.0601	15725	250	R 1800
5X1.5/1.5	15.240	24	31	12.10	338	1000	R 1000
5X2.5/2.5	16.634	32	40	7.41	423	1000	R 1000
5X4/4	18.205	42	52	4.61	583	1000	R 1100
5X6/6	19.932	53	64	3.08	736	1000	R 1100
5X10/10	23.69	74	86	1.83	983	1000	R 1300
5X16/16	27.01	98	112	1.15	1380	1000	R 1500
5X25/16	32.11	133	145	0.727	2011	1000	R 1600
5X35/16	35.18	162	174	0.524	2566	1000	R 1700
5X50/25	38.71	197	206	0.387	3391	1000	R 1800
5X70/35	44.61	250	254	0.268	4732	500	R 1500
5X95/50	50.38	308	305	0.198	6305	500	R 1700
5X120/70	55.24	359	348	0.153	7861	250	R 1500
5X150/70	60.93	412	392	0.124	9540	250	R 1500
5X185/95	68.88	475	444	0.0991	12123	250	R 1700
5X240/120	77.18	564	517	0.0754	15595	250	R 1800

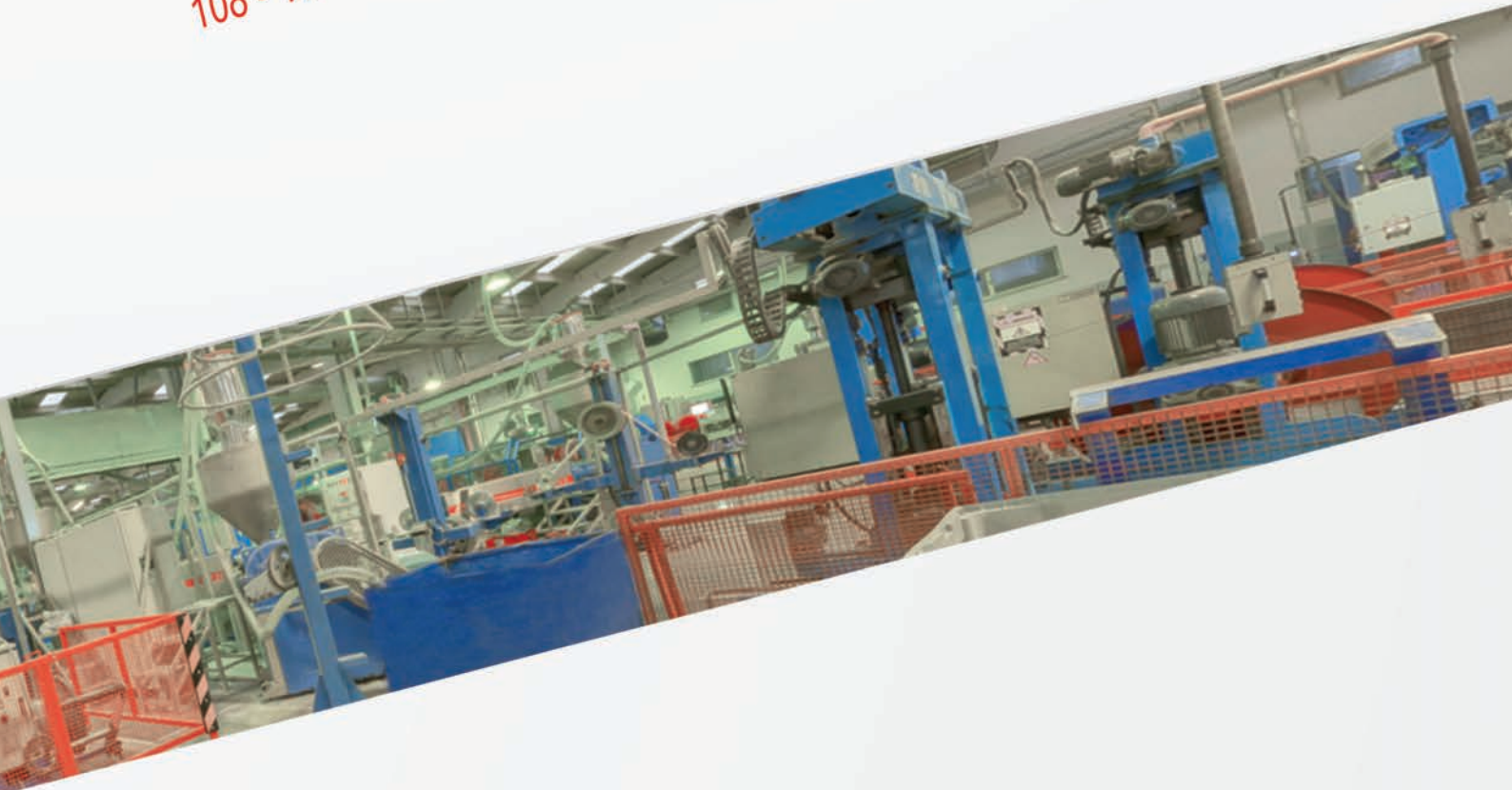


EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





0.6 / 1 KV XLPE İZOLELİ SEKTÖR KESİTLİ GÜÇ KABLOLARI
0.6 / 1 KV XLPE INSULATED SECTORAL CONDUCTOR POWER CABLES
108 - 117

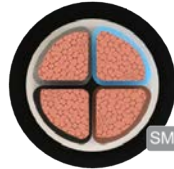


N2XY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector

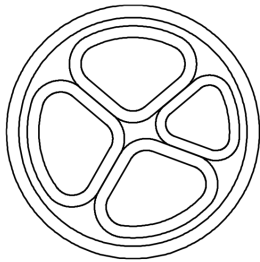


TEKNİK ÖZELLİKLER TECHNICAL DATA

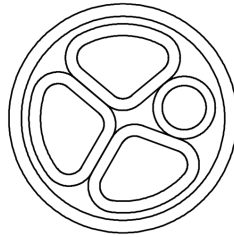
N2XY (SM)

N2XY (SM)

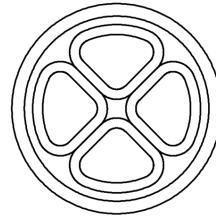
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	22.75	197	206	0.387	1479	1000	R 1300
3X70 SM	26.15	250	254	0.268	2093	1000	R 1500
3X95 SM	28.65	308	305	0.198	2799	1000	R 1500
3X120 SM	31.75	359	348	0.153	3505	500	R 1300
3X150 SM	35.55	412	392	0.124	4328	500	R 1400
3X185 SM	39.45	475	444	0.0991	5449	500	R 1500
3X240 SM	44.25	564	517	0.0754	7086	500	R 1600
4X50 SM	25.05	197	206	0.387	1908	1000	R 1400
4X70 SM	29.15	250	254	0.268	2728	1000	R 1500
4X95 SM	33.05	308	305	0.198	3709	500	R 1300
4X120 SM	36.65	359	348	0.153	4647	500	R 1400
4X150 SM	40.65	412	392	0.124	5734	500	R 1500
4X185 SM	45.25	475	444	0.0991	7224	500	R 1600
4X240 SM	50.45	564	517	0.0754	9393	250	R 1500
3x50 SM/25 RM	26.15	197	206	0.387/0.727	1718	1000	R 1500
3x70 SM/35 SM	27.85	250	254	0.268/0.524	2409	1000	R 1500
3x95 SM/50 SM	31.65	308	305	0.193/0.387	3270	500	R 1300
3x120 SM/70 SM	37.35	359	348	0.153/0.268	4208	500	R 1500
3x150 SM/70 SM	39.55	412	392	0.124/0.268	5015	500	R 1500
3x185 SM/95 SM	43.75	475	444	0.0991/0.193	6371	500	R 1700
3x240 SM/ 120 SM	49.15	564	517	0.754/0.153	8250	250	R 1500



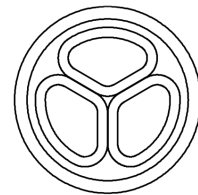
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



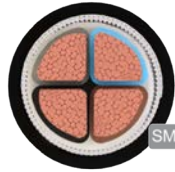
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N2XRY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



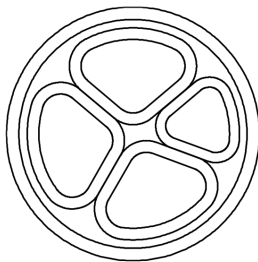
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

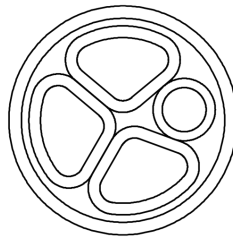
N2XRY (SM)

N2XRY (SM)

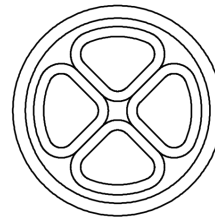
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	29.01	197	206	0.387	2365	1000	R 1500
3X70 SM	33.53	250	254	0.268	3349	1000	R 1600
3X95 SM	36.51	308	305	0.198	4202	500	R 1400
3X120 SM	39.63	359	348	0.153	5071	500	R 1500
3X150 SM	43.48	412	392	0.124	6054	500	R 1500
3X185 SM	48.50	475	444	0.0991	7829	500	R 1700
3X240 SM	53.31	564	517	0.0754	9747	250	R 1500
4X50 SM	31.94	197	206	0.387	2924	1000	R 1600
4X70 SM	37.03	250	254	0.268	4177	1000	R 1800
4X95 SM	40.99	308	305	0.198	5351	500	R 1500
4X120 SM	45.69	359	348	0.153	6828	500	R 1600
4X150 SM	49.69	412	392	0.124	8149	500	R 1700
4X185 SM	54.34	475	444	0.0991	9986	250	R 1500
4X240 SM	59.63	564	517	0.0754	12441	250	R 1500
3x50 SM/25 RM	34.14	197	206	0.387/0.727	3101	1000	R 1700
3x70 SM/35 SM	35.94	250	254	0.268/0.524	3816	1000	R 1700
3x95 SM/50 SM	39.82	308	305	0.193/0.387	4857	500	R 1500
3x120 SM/70 SM	46.75	359	348	0.153/0.268	6616	500	R 1600
3x150 SM/70 SM	52.64	412	392	0.124/0.268	7658	500	R 1700
3x185 SM/95 SM	58.21	475	444	0.0991/0.193	9404	250	R 1500
3x240 SM/ 120SM	63.66	564	517	0.754/0.153	11619	250	R 1600



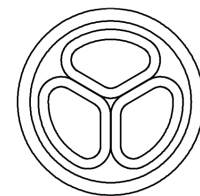
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



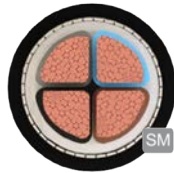
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N2XFGbY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD
VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde, yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



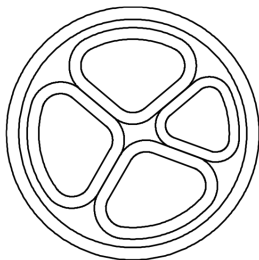
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

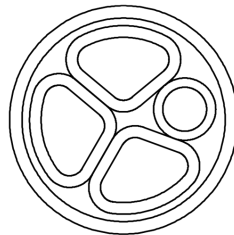
N2XFGbY (SM)

N2XFGbY (SM)

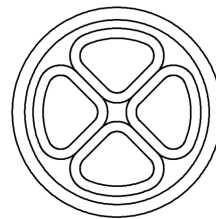
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	26.96	197	206	0.387	2127	1000	R 1500
3X70 SM	30.66	250	254	0.268	2848	1000	R 1500
3X95 SM	33.66	308	305	0.198	3683	1000	R 1600
3X120 SM	37.25	359	348	0.153	4488	500	R 1400
3X150 SM	41.13	412	392	0.124	5429	500	R 1500
3X185 SM	45.12	475	444	0.0991	6734	500	R 1500
3X240 SM	50.41	564	517	0.0754	8535	500	R 1700
4X50 SM	29.91	197	206	0.387	2664	1000	R 1500
4X70 SM	34.62	250	254	0.268	3638	1000	R 1700
4X95 SM	38.62	308	305	0.198	4744	500	R 1500
4X120 SM	42.28	359	348	0.153	5808	500	R 1500
4X150 SM	46.75	412	392	0.124	7023	500	R 1600
4X185 SM	51.45	475	444	0.0991	8725	500	R 1700
4X240 SM	57.23	564	517	0.0754	11093	250	R 1500
3x50 SM/25 RM	31.09	197	206	0.387/0.727	2629	1000	R 1500
3x70 SM/35 SM	32.89	250	254	0.268/0.524	3313	1000	R 1600
3x95 SM/50 SM	37.20	308	305	0.193/0.387	4308	500	R 1400
3x120 SM/70 SM	43.04	359	348	0.153/0.268	5559	500	R 1500
3x150 SM/70 SM	49.37	412	392	0.124/0.268	6501	500	R 1600
3x185 SM/95 SM	54.93	475	444	0.0991/0.193	8128	250	R 1500
3x240 SM/ 120 SM	60.83	564	517	0.754/0.153	10220	250	R 1500



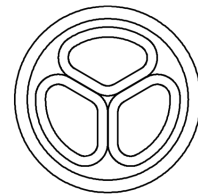
$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



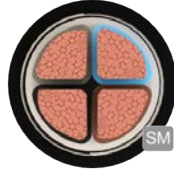
$$\alpha = 120^\circ$$

N2XBY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde, yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



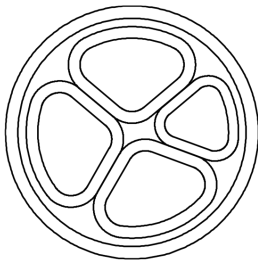
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

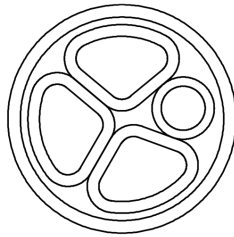
N2XBY (SM)

N2XBY (SM)

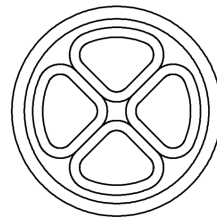
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	26.96	197	206	0.387	2127	1000	R 1500
3X70 SM	30.66	250	254	0.268	2848	1000	R 1500
3X95 SM	33.66	308	305	0.198	3683	1000	R 1600
3X120 SM	37.25	359	348	0.153	4488	500	R 1400
3X150 SM	41.13	412	392	0.124	5429	500	R 1500
3X185 SM	45.12	475	444	0.0991	6734	500	R 1500
3X240 SM	50.41	564	517	0.0754	8535	500	R 1700
4X50 SM	27.73	197	206	0.387	2576	1000	R 1500
4X70 SM	32.00	250	254	0.268	3540	1000	R 1600
4X95 SM	36.00	308	305	0.198	4643	500	R 1400
4X120 SM	39.66	359	348	0.153	5704	500	R 1500
4X150 SM	43.70	412	392	0.124	6906	500	R 1500
4X185 SM	48.39	475	444	0.0991	8604	500	R 1700
4X240 SM	53.74	564	517	0.0754	10930	250	R 1500
3x50 SM/25 RM	31.09	197	206	0.387/0.727	2629	1000	R 1500
3x70 SM/35 SM	32.89	250	254	0.268/0.524	3313	1000	R 1600
3x95 SM/50 SM	37.20	308	305	0.193/0.387	4308	500	R 1400
3x120 SM/70 SM	43.04	359	348	0.153/0.268	5559	500	R 1500
3x150 SM/70 SM	49.37	412	392	0.124/0.268	6501	500	R 1700
3x185 SM/95 SM	54.93	475	444	0.0991/0.193	8128	250	R 1500
3x240 SM/ 120SM	60.83	564	517	0.754/0.153	10220	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



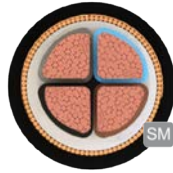
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N2XCY (SM)



- 1) Sektör Kesitli Bakır İletken
Multi Wire Sectoral Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken
SM : Multi Wire Sectoral Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



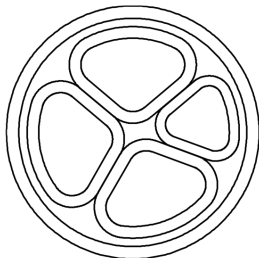
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

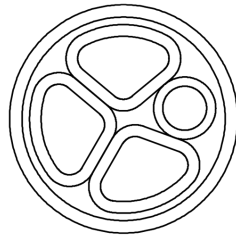
N2XCY (SM)

N2XCY (SM)

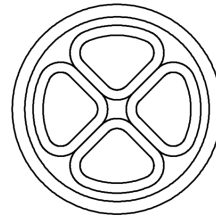
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
3X50 SM	28.29	197	206	0.387	1948	1000	R 1500
3X70 SM	32.45	250	254	0.268	2714	1000	R 1600
3X95 SM	35.94	308	305	0.198	3582	500	R 1400
3X120 SM	39.85	359	348	0.153	4530	500	R 1500
3X150 SM	43.69	412	392	0.124	5396	500	R 1500
3X185 SM	48.44	475	444	0.0991	6788	500	R 1700
3X240 SM	53.96	564	517	0.0754	8716	500	R 1800
4X50 SM	31.22	197	206	0.387	2429	1000	R 1500
4X70 SM	35.94	250	254	0.268	3426	1000	R 1700
4X95 SM	40.43	308	305	0.198	4569	500	R 1500
4X120 SM	44.83	359	348	0.153	5762	500	R 1500
4X150 SM	48.83	412	392	0.124	6894	500	R 1700
4X185 SM	54.27	475	444	0.0991	8668	250	R 1500
4X240 SM	60.28	564	517	0.0754	11135	250	R 1500



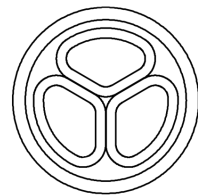
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$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





HALOJENSİZ SABİT TESİSAT KABLOLARI
HALOGEN FREE STATIONARY INSTALLATION CABLES
HALOJENSİZ BÜKÜLGEN TESİSAT KABLOLARI
HALOGEN FREE FLEXIBLE INSTALLATION CABLES
120 - 129



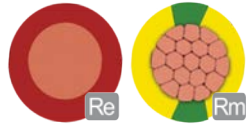
H05Z1-U / H07Z1-U H07Z1-R



1) Som veya Örgülü Bakır
Solid or Stranded Copper

2) HFFR İzole
HFFR Insulation

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD

TS EN 50525-3-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C

KULLANIM ALANLARI

Oteller. okullar. yüksek binalar. hastaneler. bilgi işlem merkezleri ve insanların yoğun olarak bulunduğu iş merkezleri ile yangına hassas bölgelerde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C

USAGE AREAS

It is used in hotels. schools. high buildings. hospitals. data processing centers and crowded business centers and fire-sensitive areas.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER

TECHNICAL DATA

H05Z1-U / H07Z1-U

H07Z1-R

H05Z1-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

H07Z1-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

H07Z1-R

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

H05Z-U / H07Z-U H07Z-R



1) Som veya Örgülü Bakır
Solid or Stranded Copper

2) XL HFFR İzole
XL HFFR Insulation

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C

KULLANIM ALANLARI

Oteller. okullar. yüksek binalar. hastaneler. bilgi işlem merkezleri ve insanların yoğun olarak bulunduğu iş merkezleri ile yangına hassas bölgelerde kullanılır.

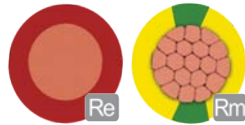
TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C

USAGE AREAS

It is used in hotels. schools. high buildings. hospitals. data processing centers and crowded business centers and fire-sensitive areas.

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H05Z-U / H07Z-U H07Z-R

H05Z-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

H07Z-U

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

H07Z-R

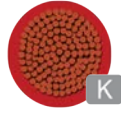
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Yaklaşık Net Ağırlık
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Approx. Net Weight
mm ²	mm	A	ohm / km	kg / km
1.5	2.95	24	12.1	20.3
2.5	3.6	32	7.41	32.1
4	4.1	42	4.61	46.45
6	4.65	54	3.08	64.9
10	5.9	73	1.83	109.1
16	6.85	98	1.15	163.5
25	8.45	129	0.727	253.9
35	9.55	158	0.524	343.1
50	11.2	197	0.387	463.8
70	12.9	245	0.268	660.6
95	15.1	290	0.193	912.9
120	16.25	345	0.153	1132
150	18.2	390	0.124	1400
185	20.65	445	0.0991	1771
240	23.45	525	0.0754	2315
300	26.5	605	0.0601	2858

H05Z1-K / H07Z1-K



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) HFFR İzole
HFFR Insulation

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



STANDARD
TS EN 50525-3-31

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C

KULLANIM ALANLARI

Oteller, okullar, yüksek binalar, hastaneler, bilgi işlem merkezleri ve insanların yoğun olarak bulunduğu iş merkezleri ile yangına hassas bölgelerde kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C

USAGE AREAS

It is used in hotels, schools, high buildings, hospitals, data processing centers and crowded business centers and fire-sensitive areas.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H05Z1-K / H07Z1-K

H05Z1-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

H07Z1-K

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 800
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

NHXMH



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) HFFR DOLGU
HFFR Filler
- 4) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
VDE 250-214

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Boru içinde
In conduit



Beton içinde
In concrete



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

NHXMH

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
2x1.5	8.6	22	12.1	115	100	C 100
2x2.5	9.14	30	7.41	156	100	C 100
2x4	10.42	40	4.61	198	100	C 100
2x6	11.46	51	3.08	253	100	C 100
2x10	14.26	70	1.83	444	1000	R 900
2x16	16.56	80	1.15	603	1000	R 1000
3x1.5	8.9	22	12.1	135	100	C 100
3x2.5	9.8	30	7.41	186	100	C 100
3x4	10.96	40	4.61	241	100	C 100
3x6	12.47	51	3.08	324	100	C 100
3x10	15.03	70	1.83	545	1000	R 900
3x16	17.53	80	1.15	773	1000	R 1000
4x1.5	9.43	22	12.1	160	100	C 100
4x2.5	10.4	30	7.41	223	100	C 100
4x4	12.25	40	4.61	301	100	C 100
4x6	13.51	51	3.08	407	100	C 100
4x10	16.33	70	1.83	668	1000	R 1000
4x16	20.01	80	1.15	954	1000	R 1100
5x1.5	9.995	22	12.1	191	100	C 100
5x2.5	11.075	30	7.41	268	100	C 100
5x4	13.63	40	4.61	380	100	C 100
5x6	14.98	51	3.08	501	100	C 100
5x10	17.68	70	1.83	813	1000	R 1000
5x16	22.125	80	1.15	1186	1000	R 1200

H03Z1Z1-F

H05Z1Z1-F



- 1) İnce ve Çok Telli Bükülgen Bakır
Fine and Multiple Wired Flexible Copper
- 2) HFFR İzole
HFFR Insulation
- 3) HFFR Dış Kılıf
HFFR Outer Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

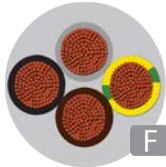
KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 70° C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

F : İnce Telli Bükülgen Bakır
F : Fine Wired Flexible Copper



STANDARD

TS EN 50525-3-11

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Bükülgen
Flexible



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Boru içinde
In conduit



İç tesisat
Internal wiring

TEKNİK ÖZELLİKLER TECHNICAL DATA

H03Z1Z1-F H05Z1Z1-F

H03Z1Z1-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

H05Z1Z1-F

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)



0.6 / 1 KV XLPE İZOLELİ HALOJENSİZ ALEV
İLETMEYEN GÜÇ KABLOLARI
0.6 / 1 KV XLPE INSULATED HALOGEN FREE
FLAME RETARDANT POWER CABLES
132 - 149

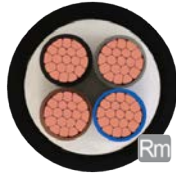


N2XH



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) HFFR DOLGU
HFFR Filler
- 4) HFFR Dış kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises tunnels and power plants.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XH

N2XH

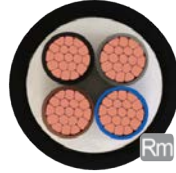
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	7.7	77	89	1.83	132	1000	R 600
1X16 rm	8.7	102	115	1.15	190	1000	R 600
1X25 rm	10.4	138	148	0.727	285	1000	R 700
1X35 rm	11.45	170	177	0.524	376	1000	R 800
1X50 rm	12.97	207	209	0.387	496	1000	R 800
1X70 rm	14.894	263	256	0.268	703	1000	R 1000
1X95 rm	16.766	325	307	0.198	949	1000	R 1000
1X120 rm	18.222	380	349	0.153	1180	1000	R 1100
1X150 rm	20.25	437	393	0.124	1451	1000	R 1200
1X185 rm	22.798	507	445	0.0991	1826	1000	R 1300
1X240 rm	25.554	604	517	0.0754	2369	1000	R 1400
1X300 rm	28.466	697	663	0.0601	2893	1000	R 1500
2X1.5 re	8.95	24	31	12.1	115	1000	R 700
2X2.5 re	9.75	32	40	7.41	145	1000	R 700
2X4 re	10.65	42	52	4.61	188	1000	R 700
2X6 re	11.65	53	64	3.08	242	1000	R 800
2X10 rm	14.218	74	86	1.83	375	1000	R 1000
2X16 rm	16.298	98	112	1.15	532	1000	R 1000
2X25 rm	19.834	133	145	0.727	805	1000	R 1100
2X35 rm	22.018	162	174	0.524	1047	1000	R 1200
3X1.5 re	9.39	24	31	12.1	131	1000	R 700
3X2.5 re	10.25	32	40	7.41	170	1000	R 700
3X4 re	11.23	42	52	4.61	226	1000	R 800
3X6 re	12.31	53	64	3.08	296	1000	R 800
3X10 rm	15.51	74	86	1.83	481	1000	R 1000
3X16 rm	17.75	98	112	1.15	688	1000	R 1000
3X25 rm	21.57	133	145	0.727	1043	1000	R 1100
3X35 rm	23.93	162	174	0.524	1366	1000	R 1300
3X50 rm	27.30	197	206	0.387	1805	1000	R 1500
3X70 rm	31.77	250	254	0.268	2560	1000	R 1600
3X95 rm	35.92	308	305	0.198	3431	1000	R 1700
3X120 rm	39.06	359	348	0.153	4233	500	R 1500
3X150 rm	43.44	412	392	0.124	5210	500	R 1500
3X185 rm	48.95	475	444	0.0991	6569	500	R 1700
3X240 rm	54.90	564	517	0.0754	8480	250	R 1500
3X300 rm	61.19	649	585	0.0754	10386	250	R 1500

N2XH



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) HFFR DOLGU
HFFR Filler
- 4) HFFR Dış Kılıf
HFFR Outer Sheath

- Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises tunnels and power plants.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XH

N2XH

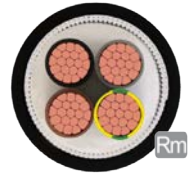
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	10.10	24	31	12.10	154	1000	R 700
4X2.5 re	11.07	32	40	7.41	203	1000	R 800
4X4 re	12.16	42	52	4.61	272	1000	R 800
4X6 re	13.40	53	64	3.08	362	1000	R 900
4X10 rm	16.92	74	86	1.83	590	1000	R 1000
4X16 rm	19.44	98	112	1.15	853	1000	R 1100
4X25 rm	23.88	133	145	0.727	1310	1000	R 1300
4X35 rm	26.78	162	174	0.524	1741	1000	R 1400
4X50 rm	30.55	197	206	0.387	2300	1000	R 1500
4X70 rm	35.21	250	254	0.268	3235	1000	R 1700
4X95 rm	39.74	308	305	0.198	4338	500	R 1500
4X120 rm	43.26	359	348	0.153	5367	500	R 1500
4X150 rm	48.17	412	392	0.124	6609	500	R 1700
4X185 rm	54.34	475	444	0.0991	8336	250	R 1500
4X240 rm	61.00	564	517	0.0754	10781	250	R 1500
5X1.5 re	11.87	24	31	12.10	211	1000	R 800
5X2.5 re	12.97	32	40	7.41	275	1000	R 800
5X4 re	14.23	42	52	4.61	366	1000	R 900
5X6 re	15.64	53	64	3.08	481	1000	R 1000
5X10 rm	18.76	74	86	1.83	734	1000	R 1100
5X16 rm	21.47	98	112	1.15	1056	1000	R 1100
5X25 rm	26.34	133	145	0.727	1620	1000	R 1400
5X35 rm	29.40	162	174	0.524	2143	1000	R 1500
5X50 rm	33.61	197	206	0.387	2839	1000	R 1600
5X70 rm	38.80	250	254	0.268	4002	1000	R 1800
5X95 rm	43.86	308	305	0.198	5377	500	R 1500
5X120 rm	47.79	359	348	0.153	6661	500	R 1600
5X150 rm	53.27	412	392	0.124	8210	500	R 1800
5X185 rm	60.14	475	444	0.0991	10364	250	R 1500
5X240 rm	67.59	564	517	0.0754	13417	250	R 1700
3X16+10 rm	18.81	98	112	1.15/1.83	776	1000	R 1100
3X25+16 rm	22.86	133	145	0.727/1.15	1187	1000	R 1300
3X35+16 rm	24.94	162	174	0.524/1.15	1499	1000	R 1400
3X50+25 rm	28.74394	197	206	0.387/0.727	2028	1000	R 1500
3X70+35 rm	33.00066	250	254	0.268/0.524	2838	1000	R 1600
3X95+50 rm	37.44614	308	305	0.193/0.387	3821	1000	R 1800
3X120+70 rm	41.2528	359	348	0.153/0.268	4840	500	R 1500
3X150+70 rm	44.93362	412	392	0.124/0.268	5758	500	R 1500
3X185+95 rm	50.6908	475	444	0.0991/0.193	7338	500	R 1700
3X240+120 rm	56.57382	564	517	0.754/0.153	9429	250	R 1500

N2XRH



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) Galvanizli Yuvarlak Çelik Tel
Galvanized Round Steel Wire
- 5) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises tunnels and power plants.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XRH

N2XRH

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

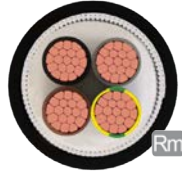
1X10 rm	13.03	77	89	1.83	320	1000	R 800
1X16 rm	14.04	102	115	1.15	399	1000	R 900
1X25 rm	16.67	138	148	0.727	635	1000	R 1000
1X35 rm	17.73	170	177	0.524	760	1000	R 1000
1X50 rm	19.24	207	209	0.387	920	1000	R 1100
1X70 rm	22.02	263	256	0.268	1312	1000	R 1200
1X95 rm	23.83	325	307	0.198	1611	1000	R 1300
1X120 rm	25.45	380	349	0.153	1913	1000	R 1400
1X150 rm	27.42	437	393	0.124	2270	1000	R 1500
1X185 rm	30.09	507	445	0.0991	2766	1000	R 1500
1X240 rm	33.78	604	517	0.0754	3662	1000	R 1700
2X1.5 re	13.08	24	31	12.1	312	1000	R 800
2X2.5 re	13.89	32	40	7.41	359	1000	R 900
2X4 re	15.71	42	52	4.61	514	1000	R 1000
2X6 re	16.92	53	64	3.08	609	1000	R 1000
2X10 rm	19.44	74	86	1.83	801	1000	R 1100
2X16 rm	22.37	98	112	1.15	1138	1000	R 1200
2X25 rm	26.00	133	145	0.727	1543	1000	R 1400
2X35 rm	28.12	162	174	0.524	1853	1000	R 1500
3X1.5 re	13.53	24	31	12.1	340	1000	R 900
3X2.5 re	14.40	32	40	7.41	395	1000	R 1000
3X4 re	16.29	42	52	4.61	576	1000	R 1000
3X6 re	17.58	53	64	3.08	677	1000	R 1100
3X10 rm	20.29	74	86	1.83	925	1000	R 1100
3X16 rm	23.18	98	112	1.15	1304	1000	R 1300
3X25 rm	27.09	133	145	0.727	1787	1000	R 1500
3X35 rm	29.58	162	174	0.524	2205	1000	R 1500
3X50 rm	33.86	197	206	0.387	2967	1000	R 1700
3X70 rm	38.09	250	254	0.268	3822	1000	R 1800
3X95 rm	43.23	308	305	0.198	6618	500	R 1500
3X120 rm	46.48	359	348	0.153	7861	500	R 1600
3X150 rm	51.14	412	392	0.124	9601	250	R 1500
3X185 rm	56.68	475	444	0.0991	11902	250	R 1500
3X240 rm	62.66	564	517	0.0754	14970	250	R 1600

N2XRH (LSF SWA)



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) Galvanizli Yuvarlak Çelik Tel
Galvanized Round Steel Wire
- 5) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıktaki
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XRH (LSF SWA)

N2XRH (LSF SWA)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

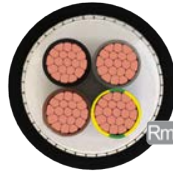
4X1.5 re	15.16	24	31	12.1	468	1000	R 1000
4X2.5 re	16.14	32	40	7.41	541	1000	R 1000
4X4 re	17.43	42	52	4.61	656	1000	R 1000
4X6 re	18.66	53	64	3.08	778	1000	R 1100
4X10 rm	22.37	74	86	1.83	1174	1000	R 1200
4X16 rm	25.02	98	112	1.15	1533	1000	R 1400
4X25 rm	30.18	133	145	0.727	2323	1000	R 1500
4X35 rm	32.95	162	174	0.524	2854	1000	R 1600
4X50 rm	36.81	197	206	0.387	3554	1000	R 1800
4X70 rm	42.14	250	254	0.268	4866	500	R 1500
4X95 rm	47.15	308	305	0.198	6332	500	R 1600
4X120 rm	50.97	359	348	0.153	7597	500	R 1700
4X150 rm	55.93	412	392	0.124	9048	500	R 1800
4X185 rm	62.12	475	444	0.0991	11096	250	R 1500
4X240 rm	69	564	517	0.0754	13888	250	R 1700
5x1.5 re	16.7	24	31	12.1	560	1000	R 1000
5x2.5 re	17.8	32	40	7.41	650	1000	R 1000
5x4 re	19.1	42	52	4.61	780	1000	R 1100
5x6 re	20.4	53	64	3.08	930	1000	R 1100
5x10 rm	24	74	86	1.83	1390	1000	R 1200
5x16 rm	26.7	98	112	1.15	1800	1000	R 1500
5x25 rm	31.7	133	145	0.727	2520	1000	R 1500
5x35 rm	35.6	162	174	0.524	3380	1000	R 1700
5x50 rm	40	197	206	0.387	4250	1000	R 1800
5x70 rm	46.5	250	254	0.268	6040	500	R 1600
5x95 rm	51.7	308	305	0.198	7690	500	R 1700
5x120 rm	55.8	359	348	0.153	9230	500	R 1700
5x150 rm	61.5	412	392	0.124	11020	250	R 1500
5x185 rm	68.5	475	444	0.0991	13460	250	R 1600
5x240 rm	77.65	564	517	0.0754	17860	250	R 1800
3X16+10 rm	24.73	98	112	1.15/1.83	1452	1000	R 1400
3X25+16 rm	28.5	133	145	0.727/1.15	1971	1000	R 1500
3X35+16 rm	30.44	162	174	0.524/1.15	2342	1000	R 1500
3X50+25 rm	35.08	197	206	0.387/0.727	3218	1000	R 1700
3X70+35 rm	39.75	250	254	0.268/0.524	4308	1000	R 1800
3X95+50 rm	44.84	308	305	0.193/0.387	5701	500	R 1500
3X120+70 rm	48.97	359	348	0.153/0.268	6912	500	R 1700
3X150+70 rm	52.78	412	392	0.124/0.268	8041	500	R 1800
3X185+95 rm	58.83	475	444	0.0991/0.193	9926	250	R 1500
3X240+120 rm	64.91	564	517	0.754/0.153	12316	250	R 1600

N2XFGbH



- 1) Örgülü Bakır
Stranded Copper
- 2) XLPE izole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) Galvanizli Yassı Çelik Tel Zırh
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Yangın ve zehirli dumanın insanlara tehlike oluşturacağı yerlerde ve mekanik dayanım gerektiği durumlarda kullanılır. Toprak altında ve harici kullanıma uygundur.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where mechanical strength is required and fire and toxic fumes will create hazard for people. Suitable for underground external use.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XFGbH

N2XFGbH

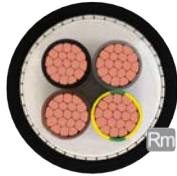
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	12.60	77	89	1.83	370	1000	R 800
1X16 rm	13.62	102	115	1.15	464	1000	R 900
1X25 rm	15.35	138	148	0.727	603	1000	R 1000
1X35 rm	16.42	170	177	0.524	732	1000	R 1000
1X50 rm	17.95	207	209	0.387	893	1000	R 1100
1X70 rm	20.04	263	256	0.268	1177	1000	R 1200
1X95 rm	21.87	325	307	0.198	1466	1000	R 1300
1X120 rm	23.50	380	349	0.153	1747	1000	R 1400
1X150 rm	25.49	437	393	0.124	2087	1000	R 1500
1X185 rm	28.19	507	445	0.0991	2549	1000	R 1500
1X240 rm	31.04	604	517	0.0754	3178	1000	R 1700
1X300 rm	33.23	697	663	0.0601	3717	1000	R 800
2X10 rm	18.55	74	86	1.83	751	1000	R 900
2X16 rm	20.59	98	112	1.15	973	1000	R 1000
2X25 rm	24.06	133	145	0.727	1344	1000	R 1000
2X35 rm	26.20	162	174	0.524	1624	1000	R 1100
3X10 rm	19.01	74	86	1.83	855	1000	R 1200
3X16 rm	21.21	98	112	1.15	1123	1000	R 1400
3X25 rm	25.16	133	145	0.727	1582	1000	R 1500
3X35 rm	27.67	162	174	0.524	1952	1000	R 900
3X50 rm	31.17	197	206	0.387	2495	1000	R 1000
3X70 rm	35.86	250	254	0.268	3366	1000	R 1000
3X95 rm	40.02	308	305	0.198	4336	500	R 1100
3X120 rm	43.31	359	348	0.153	5244	500	R 1100
3X150 rm	48.41	412	392	0.124	6401	500	R 1300
3X185 rm	54.01	475	444	0.0991	7931	250	R 1500
3X240 rm	60.35	564	517	0.0754	10036	250	R 1500
3X50 rm	33.86	197	206	0.387	2967	1000	R 1700
3X70 rm	38.09	250	254	0.268	3822	1000	R 1800
3X95 rm	43.23	308	305	0.198	6618	500	R 1500
3X120 rm	46.48	359	348	0.153	7861	500	R 1600
3X150 rm	51.14	412	392	0.124	9601	250	R 1500
3X185 rm	56.68	475	444	0.0991	11902	250	R 1500
3X240 rm	62.66	564	517	0.0754	14970	250	R 1600

N2XFGbH



- 1) Örgülü Bakır
Stranded Copper
- 2) XLPE izole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) Galvanizli Yassı Çelik Tel Zırh
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Yangın ve zehirli dumanın insanlara tehlike oluşturacağı yerlerde ve mekanik dayanım gerektiği durumlarda kullanılır. Toprak altında ve harici kullanıma uygundur.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where mechanical strength is required and fire and toxic fumes will create hazard for people. Suitable for underground external use.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XFGbH

N2XFGbH

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	20.4	74	86	1.83	997	1000	R 1100
4X16 rm	23.07	98	112	1.15	1333	1000	R 1300
4X25 rm	27.46	133	145	0.727	1886	1000	R 1500
4X35 rm	30.26	162	174	0.524	2374	1000	R 1500
4X50 rm	34.57	197	206	0.387	3070	1000	R 1700
4X70 rm	39.33	250	254	0.268	4141	1000	R 1800
4X95 rm	43.98	308	305	0.198	5354	500	R 1500
4X120 rm	48.24	359	348	0.153	6562	500	R 1700
4X150 rm	53.25	412	392	0.124	7949	500	R 1800
4X185 rm	59.91	475	444	0.0991	9909	250	R 1500
4X240 rm	66.73	564	517	0.0754	12552	250	R 1700
5x1.5 re	15.5	24	31	12.1	490	1000	R 900
5x2.5 re	16.6	32	40	7.41	580	1000	R 1000
5x4 re	17.8	42	52	4.61	710	1000	R 1000
5x6 re	19.2	53	64	3.08	850	1000	R 1100
5x10 rm	22.4	74	86	1.83	1160	1000	R 1200
5x16 rm	25.1	98	112	1.15	1550	1000	R 1300
5x25 rm	30	133	145	0.727	2230	1000	R 1500
5x35 rm	33.1	162	174	0.524	2820	1000	R 1600
5x50 rm	38	197	206	0.387	3690	1000	R 1700
5x70 rm	43.5	250	254	0.268	5000	500	R 1500
5x95 rm	49.3	308	305	0.198	6580	500	R 1600
5x120 rm	53.4	359	348	0.153	8010	500	R 1800
5x150 rm	59.65	412	392	0.124	9760	250	R 1500
5x185 rm	66.7	475	444	0.0991	12030	250	R 1600
5x240 rm	75	564	517	0.0754	15450	250	R 1700
3X16+10 rm	22.69	98	112	1.15/1.83	1242	1000	R 1200
3X25+16 rm	26.46	133	145	0.727/1.15	1738	1000	R 1400
3X35+16 rm	28.4	162	174	0.524/1.15	2102	1000	R 1500
3X50+25 rm	32.23	197	206	0.387/0.727	2729	1000	R 1600
3X70+35 rm	36.91	250	254	0.268/0.524	3674	1000	R 1800
3X95+50 rm	41.37	308	305	0.193/0.387	4783	500	R 1500
3X120+70 rm	45.91	359	348	0.153/0.268	5979	500	R 1600
3X150+70 rm	49.72	412	392	0.124/0.268	6987	500	R 1700
3X185+95 rm	55.57	475	444	0.0991/0.193	8743	250	R 1500
3X240+120 rm	61.85	564	517	0.754/0.153	11063	250	R 1500



HALOJENSİZ FE 180 GÜÇ KABLolarI

Halojen içerkli yapı malzemelerinin yanması neticesinde oluşan HCl (Hidroklorür) gazı ortamdaki CO₂. CO ve su ile birleşerek hidroklorik asit oluşturur ve bu asit insanlara ve elektronik cihazlara zarar verirken yine yanma esnasında açığa çıkan CO₂ gazı canlı yaşamını tehdit eder.

Halojenden arındırılmış kablolarla kullanılan malzemeler flor. klor. brom ve iyot elementlerinin hiçbirini içermey ve bu kablolar yangın sırasında alevi iletmez. yoğun duman tabakası oluşturmaz. Çevreye zararlı olan toksik ve korozif gazları üretmez ve en yüksek seviyede can ve mal güvenliği sağlarlar. Yangın ortamında 750 °C de 180 dakikaya kadar işlevini sürdüren. alevin yayılmasını önleyen. zehirli gaz çıkarmayan. görüşe mani duman yoğunluğu düşük. korozif ortam oluşturmayan. halojenden arındırılmış (LSOH) kablolar yüksek işletme emniyetini güvence altına alır. Yoğun yerleşim ve yaşam birimlerinde. maddi değeri yüksek tesislerde yangının yaratacağı tehlikelerin ve tahribatların en alt düzeyde tutulabilmesi bu kablolarla sağlanabilir. Genelde düşey düzlemde tek başına PVC izoleli kabloların sınırlı alev iletme özelliği olmasına rağmen. yanma esnasında ortaya çıkan can ve mal güvenliğini ciddi boyutlarda tehdit eden yoğun duman ile toksik gazlara karşı özellikle kablunun demetler şeklinde döşenmesi halinde gerekli tedbirlerin alınması zorunludur.

Demetler halinde döşenmiş PVC izoleli kabloların yanması sırasında meydana gelen. görüşü engelleyen duman yoğunluğu kaçış sırasında panik yaratır. kurtarma ve söndürme çalışmalarını zorlaştırır. Karbonmonoksit. karbondioksit gibi gazların solunması ölümlere sebebiyet verir. Ortamdaki mevcut nem ile oksijenin yanan malzeme-deki klorür ile reaksiyona girmesi ile oluşan korozif tesirli tuz asidi elektrik. elektronik ve benzeri cihaz ve tesislerde önemli hasarlar meydana getirir. Bu riskleri büyük ölçüde azaltmak için geliştirilen üstün vasıflı bu kablolar. PVC izoleli kabloların elektriksel. mekanik ve kimyasal yönden bütün özelliklerine sahiptir.

Halogen free FE 180 Power Cables

The HCl (hydrochloride) gas resulting from burning of the construction materials containing halogen. is combined with CO₂. CO and water found in the atmosphere and forms hydrochloric acid. and while this acid brings damage to people and electronic devices. CO₂ gas that also released during burning threatens the lives and living things.

The materials used in the de-halogenated cables do not contain any of fluorine. chlorine. bromine and iodine elements. and these cables do not convey flame during a fire and do not form than smoke. They do not produce toxic and corrosive gasses. which are to environment and they maintain security life and property in the highest level. The de-halogenated (LSOF) cables; which sustain their functions in fire environment at 750 OC up to 180 minutes. they prevent spread of the flame. they do not release toxic gases. they have a low density of smoke preventing vision. they do not create corrosive environment; secure high operational safety. In crowded settlements and residential units. in facilities with high asset values. the hazards and destructions that will be created by fire can be kept in a minimum level with these cables. Although the generally single PVC insulated cables have the property to convey limited flame in vertical plane. when they installed as bunches. it is mandatory to get required precautions against than smoke and toxic gases which are released during burning and which significantly threatens security of life and property.

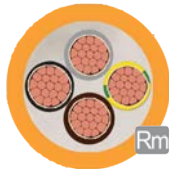
The smoke density which preventing vision and released during the burning of PVC insulated cables which are installed as bunches. create panic during escape. complicate. rescue and extinguishing works. breathing of gases like carbonmonoxide and carbondioxide causes death. The salt acid having corrosive effect. which is formed by the reaction of the moisture and oxygen existing in the air with chloride in the burned materials. causes important damages in electric. electronic and similar devices and facilities. These top-caliber cables which developed to decrease these risks considerably have all the electrical. mechanical. chemical properties of PVC insulated cables.

N2XH FE 180



- 1) Som ve Örgülü Bakır
Solid or Stranded Copper
- 2) Mika Bant
Mica Band
- 3) XLPE İzole
XLPE Insulation
- 4) HFFR Dolgu
HFFR Filler
- 5) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

ÖZELLİK

Yangın esnasında yoğun duman tabakası oluşturmayan IEC 60331-21'e göre alev altında 180 dakika enerji iletimini sağlayan özel kablo

SPECIALITY

A special cable. which does not produce a dense smoke during a fire. and provide energy transmission under flame for 180 minutes according to IEC 60331-21

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

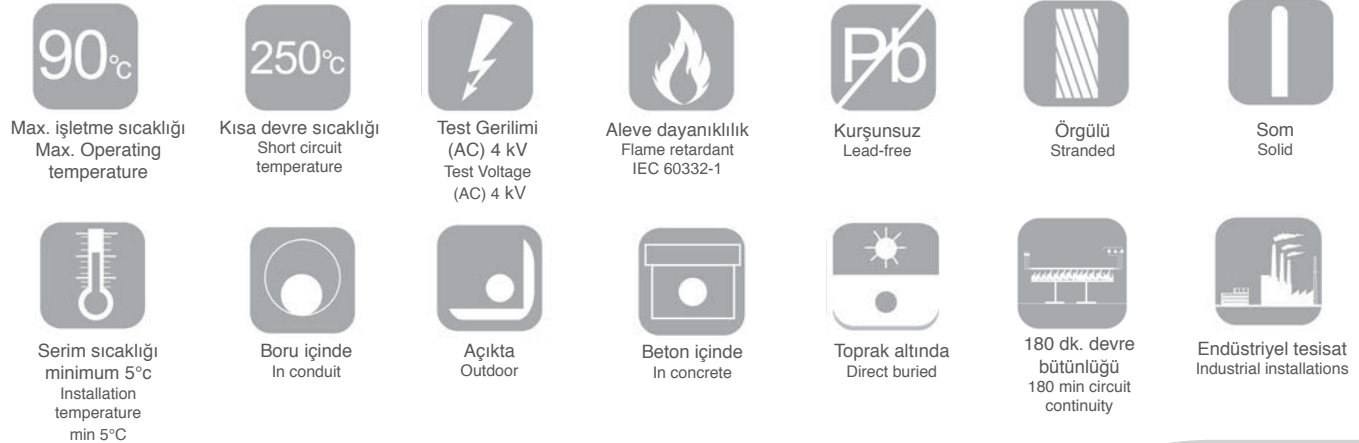
Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.



TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XH FE 180

N2XH FE 180

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

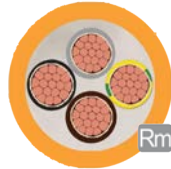
1X10 rm	8.15	77	89	1.83	135	1000	R 600
1X16 rm	9.15	102	115	1.15	193	1000	R 700
1X25 rm	10.95	138	148	0.727	289	1000	R 800
1X35 rm	12.05	170	177	0.524	380	1000	R 800
1X50 rm	13.646	207	209	0.387	502	1000	R 900
1X70 rm	15.674	263	256	0.268	710	1000	R 1000
1X95 rm	17.65	325	307	0.198	957	1000	R 1000
1X120 rm	19.158	380	349	0.153	1189	1000	R 1100
1X150 rm	21.238	437	393	0.124	1460	1000	R 1100
1X185 rm	23.89	507	445	0.0991	1838	1000	R 1300
1X240 rm	26.75	604	517	0.0754	2382	1000	R 1400
1X300 rm	28.882	697	663	0.0601	2868	1000	R 1500
2X1.5 re	9.85	24	31	12.1	150	1000	R 700
2X2.5 re	10.55	32	40	7.41	182	1000	R 700
2X4 re	11.55	42	52	4.61	232	1000	R 800
2X6 re	12.658	53	64	3.08	294	1000	R 800
2X10 rm	15.154	74	86	1.83	454	1000	R 1000
2X16 rm	17.234	98	112	1.15	630	1000	R 1000
2X25 rm	20.978	133	145	0.727	949	1000	R 1100
2X35 rm	23.266	162	174	0.524	1043	1000	R 1300
3X1.5 re	10.36	24	31	12.1	183	1000	R 700
3X2.5 re	11.12	32	40	7.41	225	1000	R 800
3X4 re	12.20	42	52	4.61	290	1000	R 800
3X6 re	13.31	53	64	3.08	369	1000	R 900
3X10 rm	15.89	74	86	1.83	547	1000	R 1000
3X16 rm	18.14	98	112	1.15	764	1000	R 1100
3X25 rm	22.18	133	145	0.727	1171	1000	R 1200
3X35 rm	24.66	162	174	0.524	1519	1000	R 1400
3X50 rm	28.14	197	206	0.387	2002	1000	R 1500
3X70 rm	33.45	250	254	0.268	2871	1000	R 1600
3X95 rm	37.83	308	305	0.198	3805	1000	R 1700
3X120 rm	41.08	359	348	0.153	4673	500	R 1500
3X150 rm	45.58	412	392	0.124	5760	500	R 1600
3X185 rm	51.30	475	444	0.0991	7276	500	R 1700
3X240 rm	57.48	564	517	0.0754	9333	250	R 1500
3X300 rm	62.09	649	585	0.0754	11105	250	R 1500

N2XH FE 180



- 1) Som ve Örgülü Bakır
Solid or Stranded Copper
- 2) Mika Bant
Mica Band
- 3) XLPE İzole
XLPE Insulation
- 4) HFFR Dolgu
HFFR Filler
- 5) HFFR Dış Kılıf
HFFR Outer Sheath

Re : Som Yuvarlak İletken
Re : Solid Single Round Conductor
Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

ÖZELLİK

Yangın esnasında yoğun duman tabakası oluşturmayan IEC 60331-21'e göre alev altında 180 dakika enerji iletimini sağlayan özel kablo

SPECIALITY

A special cable. which does not produce a dense smoke during a fire. and provide energy transmission under flame for 180 minutes according to IEC 60331-21

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



180 dk. devre
bütünlüğü
180 min circuit
continuity



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

N2XH FE 180

N2XH FE 180

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5 re	11.14	24	31	12.10	211	1000	R 800
4X2.5 re	11.99	32	40	7.41	264	1000	R 800
4X4 re	13.19	42	52	4.61	345	1000	R 800
4X6 re	14.46	53	64	3.08	444	1000	R 900
4X10 rm	17.97	74	86	1.83	694	1000	R 1100
4X16 rm	20.54	98	112	1.15	975	1000	R 1100
4X25 rm	25.39	133	145	0.727	1518	1000	R 1400
4X35 rm	28.25	162	174	0.524	1966	1000	R 1500
4X50 rm	32.11	197	206	0.387	2586	1000	R 1600
4X70 rm	37.05	250	254	0.268	3609	1000	R 1800
4X95 rm	41.81	308	305	0.198	4778	500	R 1500
4X120 rm	45.45	359	348	0.153	5888	500	R 1500
4X150 rm	50.53	412	392	0.124	7275	500	R 1700
4X185 rm	56.88	475	444	0.0991	9189	250	R 1500
4X240 rm	63.77	564	517	0.0754	11808	250	R 1600
5X1.5 re	12.93	24	31	12.10	282	1000	R 800
5X2.5 re	14.04	32	40	7.41	354	1000	R 900
5X4 re	15.39	42	52	4.61	458	1000	R 1000
5X6 re	16.82	53	64	3.08	585	1000	R 1000
5X10 rm	20.04	74	86	1.83	867	1000	R 1100
5X16 rm	22.90	98	112	1.15	1218	1000	R 1300
5X25 rm	27.85	133	145	0.727	1864	1000	R 1500
5X35 rm	31.45	162	174	0.524	2455	1000	R 1600
5X50 rm	35.34	197	206	0.387	3191	1000	R 1700
5X70 rm	40.86	250	254	0.268	4464	500	R 1500
5X95 rm	46.17	308	305	0.198	5920	500	R 1600
5X120 rm	50.24	359	348	0.153	7303	500	R 1700
5X150 rm	55.90	412	392	0.124	9031	500	R 1800
5X185 rm	62.98	475	444	0.0991	11417	250	R 1600
5X240 rm	70.68	564	517	0.0754	14685	250	R 1700
3X16+10 rm	19.95	98	112	1.15/1.83	826	1000	R 1100
3X25+16 rm	24.39	133	145	0.727/1.15	1269	1000	R 1400
3X35+16 rm	26.47	162	174	0.524/1.15	1611	1000	R 1400
3X50+25 rm	30.52	197	206	0.387/0.727	2165	1000	R 1500
3X70+35 rm	34.21	250	254	0.268/0.524	2969	1000	R 1700
3X95+50 rm	39.46	308	305	0.193/0.387	4029	500	R 1500
3X120+70 rm	43.42	359	348	0.153/0.268	5078	500	R 1500
3X150+70 rm	47.20	412	392	0.124/0.268	6058	500	R 1600
3X185+95 rm	53.21	475	444	0.0991/0.193	7706	500	R 1800
3X240+120 rm	58.40	564	517	0.754/0.153	9804	250	R 1500



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





ÖZEL KABLOLAR
SPECIAL CABLES
152 - 163

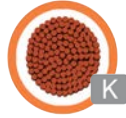


BORWELD (WELDING CABLE)



- 1) Elektrolit Tavlı Özel Bakır
Electrolytic/Tinned Annealed
Special Copper.
- 2) İzole NBR PVC
İnsulation. NBR PVC (Natural)
- 3) Kılıf NBR PVC Geliştirilmiş esneklik.
UV ışınlarına dayanıklı.
NBR PVC Sheath.İmproved
Flexibility.UV resistant.

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı : - 40 °C ~ +70 °C
Test gerilimi (AC) : 4 kV
Minimum Bükme Yarı Çapı : 6xD

KULLANIM ALANLARI

Kuru, ıslak ve yağlı ortam da esnek kullanım için uygundur. Montaj hatları, konveyör sistemleri, otomobil üretim, gemi inşa, manuel ve otomatik olarak çalışan hat ve nokta kaynaklı makinelerde kullanılır.

TECHNICAL DATA

Permissible operating temperature : - 40 °C ~ +70 °C
Test Voltage (AC) : 4 kV
Minimum Bending Radius : 6xD

USAGE AREAS

Suitable for flexible use in dry, wet and oil environment. Areas: assembly lines, conveyor systems, motor car manufacturing, ship building, for manually and automatically operated line and spot welding.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm ²	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
10	class 6	8.80	158.25
16	class 6	9.85	220.63
25	class 6	11.40	314.17
35	class 6	12.55	412.29
50	class 6	14.45	548.11
70	class 6	16.50	752.12
95	class 6	19.10	1032.01
120	class 6	20.75	1284.59
150	class 6	22.60	1518.54
185	class 6	26.50	1979.21
240	class 6	31.65	2634.51
300	class 6	34.95	3251.98



- 1) Sınıf 6 Bükülü Çıplak Bakır
Teller IEC 60228
Class 6 Stranded Plain Copper
Wires IEC 60228
- 2) Özel PVC
Special PVC
- 3) Şeffaf PVC
Transparent PVC

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı : + 70°C
Test gerilimi (AC) : 4 kV

KULLANIM ALANLARI

Akü ve jeneratör bağlantı kablosu olarak kullanılır.

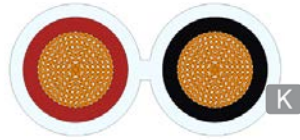
TECHNICAL DATA

Permissible operating temperature : + 70°C
Test Voltage (AC) : 4 kV

USAGE AREAS

The battery and generator is used as a connection cable.

K : İnce Telli Bükülgen Bakır
K : Fine Wired Flexible Copper



TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm ²	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
4	class 6	5.90 x 12.95	142
6	class 6	6.50 x 14.15	188
10	class 6	7.40 x 15.95	268
16	class 6	8.40 x 17.95	384
25	class 6	10.30 x 21.75	578
35	class 6	11.40 x 23.95	764
50	class 6	13.20 x 27.55	1011

CU / PVDF / HMWPE



- 1) Kalaylı Sınıf 2 Bakır İletken
Tinned Annealed Class 2
Copper Conductor
- 2) Kılıf PVDF
PVDF Sheath
- 3) Kılıf HMWPE ASTM D1248
HMWPE Sheath acc to
ASTM 1248

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı : - 55 °C ~ +105 °C
Test gerilimi (AC) : 2 - 2.5 kV
Minimum Bükme Yarı Çapı : 12xD

KULLANIM ALANLARI

Katodik koruma sistemlerinde, boru hatları, depolama tankları ve gömülmüş yada sualtına daldırılmış metalik yüzeylerdeki elektroliz ve kimyasal etkilere bağlı bozulmaları önlemek amacıyla kullanılır.

TECHNICAL DATA

Permissible operating temperature : - 50 °C ~ +105 °C
Test Voltage (AC) : 2 - 2.5 kV
Minimum Bending Radius : 12xD

USAGE AREAS

Used as header cables on cathodic protection systems in order to protect electrolytic and galvanic corrosion in pipelines, storage tanks and other buried or water submerged metallic surfaces.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Kalaylı Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Tinned Annealed Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²	ad. x mm	mm	kg/km
1.5	class 2	5.90	21
2.5	class 2	6.35	23
4	class 2	6.85	25
6	class 2	7.40	28
10	class 2	8.15	32
16	class 2	9.15	37
25	class 2	10.45	43
35	class 2	11.55	48
50	class 2	12.85	55
70	class 2	14.55	63
95	class 2	16.40	72
120	class 2	17.60	78
150	class 2	19.20	86
185	class 2	21.25	96
240	class 2	23.70	107

CU / HMWPE



- 1) Kalaylı Sınıf 2 Bakır İletken
Tinned Annealed Class 2
Copper Conductor
- 2) İzole HMWPE ASTM D1248
HMWPE Sheath acc. to ASTM
D1248

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Test gerilimi (AC)	: 2-2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

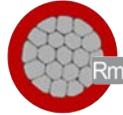
KULLANIM ALANLARI

Katodik koruma sistemlerinde. boru hatları. depolama tankları ve gömülmüş yada sualtına daldırılmış metalik yüzeylerdeki elektroliz ve kimyasal etkilere bağlı bozulmaları önlemek amacıyla kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Test Voltage (AC)	: 2-2.5 kV
Minimum Bending Radius	: 12xD

Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



USAGE AREAS

Used as header cables on cathodic protection systems in order to protect electrolytic and galvanic corrosion in pipelines. storage tanks and other buried or water submerged metallic surfaces.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Kalaylı Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Tinned Annealed Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²	ad. x mm	mm	kg/km
1.5	class 2	5.90	6.20
2.5	class 2	6.35	6.65
4	class 2	6.85	7.15
6	class 2	7.40	7.70
10	class 2	8.15	9.25
16	class 2	9.15	10.25
25	class 2	10.45	11.55
35	class 2	11.55	12.65
50	class 2	12.85	14.95
70	class 2	14.55	16.65
95	class 2	16.40	18.50
120	class 2	17.60	19.70
150	class 2	19.20	22.70
185	class 2	21.25	24.75
240	class 2	23.70	27.20

CYKY



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) İzole PVC
PVC İnsulation
- 3) Kılıf PVC
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 30 °C ~ +70 °C
Kısa devre sıcaklığı	: 70 °C
Test gerilimi (AC)	: 2-2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Kablo, iç ve dış mekanlarda zemin veya beton içinde sabit montaj için tasarlanmıştır. Ürünün montajı sadece eğitimli ve elektrik işleri için nitelikli personel tarafından yapılmalıdır. Ürün tanınan standartlara uygun olarak tasarlanmıştır. Montaj için geçerli olan kurallar her zaman uygulanmalıdır.

TECHNICAL DATA

Permissible operating temperature	: - 30 °C ~ +70 °C
Short circuit temperature	: 70 °C
Test Voltage (AC)	: 2-2.5 kV
Minimum Bending Radius	: 12xD

USAGE AREAS

The cable is designed for fixed installation, indoors and outdoors, in the ground and in concrete. Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

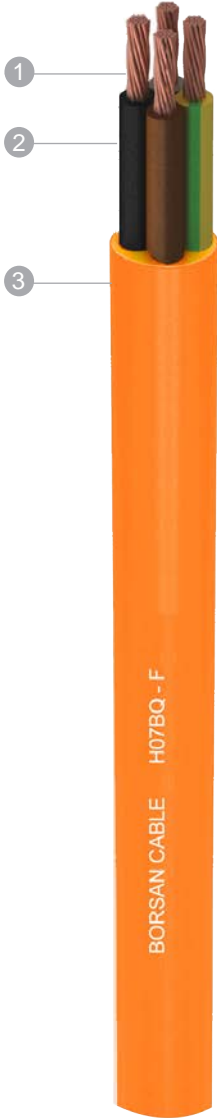
CYKY

CYKY

Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²		mm	kg/km
2 x 1.5	class 1	8.30	106.09
2 x 2.5	class 1	9.60	148.59
2 x 4	class 1	10.40	190.33
2 x 6	class 1	12.60	279.23
2 x 10	class 2	15.80	446.08
3 x 1.5	class 1	8.74	124.66
3 x 2.5	class 1	10.04	174.46
3 x 4	class 1	11.01	232.26
3 x 6	class 1	13.35	341.15
3 x 10	class 2	16.34	531.04
3 x 16	class 2	18.80	760.61
4 x 1.5	class 1	9.46	148.69
4 x 2.5	class 1	10.91	210.40
4 x 4	class 1	12.40	295.10
4 x 6	class 1	14.97	432.63
4 x 10	class 2	17.88	652.35
4 x 16	class 2	20.98	960.31
5 x 1.5	class 2	10.23	174.24
5 x 2.5	class 1	12.25	259.87
5 x 4	class 1	13.86	364.46
5 x 6	class 1	16.29	514.15
5 x 10	class 2	19.93	798.62
5 x 16	class 2	23.10	1183.59
7 x 1.5	class 1	11.05	219.40
7 x 2.5	class 1	13.25	329.52
7 x 4	class 1	14.60	450.61
12 x 1.5	class 1	15.44	416.98
12 x 2.5	class 1	18.34	615.55
12 x 4	class 1	20.21	834.34
19 x 1.5	class 1	18.15	599.97
19 x 2.5	class 1	21.15	869.72
24 x 1.5	class 1	20.35	757.86
24 x 2.5	class 1	24.23	1128.31

EPR Yalıtımlı Ve Poliüretan (PUR) Kılıflı Bükülgen Kablo EPR Insulated And Polyurethane(PUR) Sheathed Flexible Cable

H07BQ - F



- 1) Elektrolitik tavlı. sınıf 5 bükülü çıplak bakır teller
Electrolytic annealed. class 5 stranded plain copper wires.
- 2) İzole EPR
Insulation EPR
- 3) Kılıf PUR
Sheath PUR

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: +90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2 / 2.5V
En düşük tesisat sıcaklığı	: -40 °C
Minimum Bükme Yarı Çapı	: 12xD

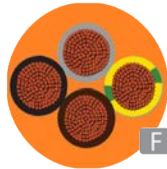
KULLANIM ALANLARI

Zirai işyerleri. tersaneler. soğuk hava depoları veya mut-faklarda. ekstra esneklik gerektiren sabit yada taşınabilir ekipmanlarının bağlantılarında kullanılır. Yanma esnasında alevi iletmez ve kendiliğinden sönerler.

TECHNICAL DATA

Permissible operating temperature	: +90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2 / 2.5V
Minimum installation temperature	: -40 °C
Minimum Bending Radius	: 12xD

F : İnce Telli Bükülgen Bakır
F : Fine Wired Flexible Copper



STANDARD

EN 505 25-2-21

USAGE AREAS

These cables are used for fixed and mobile equipment connections in workshops such as agricultural applications. shipyards. cold storages and kitchens. It's flame retardant and self extinguishes during fire.

90°C
Max. işletme sıcaklığı
Max. Operating temperature

160°C
Kısa devre sıcaklığı
Short circuit temperature

Test Gerilimi (AC)
2 kV- 2.5 kV
Test Voltage (AC)
2 kV - 2.5 kV

Alev dayanıklılık
Flame retardant
IEC 60332-1

Kurşunsuz
Lead-free

Bükülgen
Flexible

Yüksek ısıya dayanıklı
High temperature resistant

Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C

Dağıtım panoları
Distribution panels

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

TEKNİK ÖZELLİKLER TECHNICAL DATA

H07BQ - F

H07BQ - F

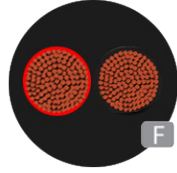
Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²	ad. x mm	mm	kg/km

2 x 1.5	class 5	8.40	86.37
2 x 2.5	class 5	9.90	125.43
2 x 4	class 5	11.60	179.65
2 x 6	class 5	13.00	238.91
2 x 10	class 5	17.00	410.10
2 x 16	class 5	19.30	568.96
3 x 1.5	class 5	8.91	103.00
3 x 2.5	class 5	10.52	151.52
3 x 4	class 5	12.34	219.54
3 x 6	class 5	14.03	301.46
3 x 10	class 5	18.24	513.82
3 x 16	class 5	20.91	731.20
4 x 1.5	class 5	9.94	130.28
4 x 2.5	class 5	11.72	191.81
4 x 4	class 5	13.73	278.31
4 x 6	class 5	15.58	382.18
4 x 10	class 5	20.13	646.51
4 x 16	class 5	22.87	914.84
5 x 1.5	class 5	10.84	156.72
5 x 2.5	class 5	13.00	237.01
5 x 4	class 5	15.22	343.81
5 x 6	class 5	17.24	471.33
5x10	class 5	22.15	792.15
5x16	class 5	25.39	1134.04

INSTALL SPEAKER



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) İzole PVC
PVC İnsulation
- 3) Kılıf Özel PVC
Special PVC Sheath



TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: + 70°C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Birçok ses uygulaması için kullanımı uygundur.
Kablo genellikle sabit uygulamalarda kullanılmaktadır.

TECHNICAL DATA

Permissible operating temperature	: + 70°C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for many audio applications but they can also be used for fixed PA applications where the cable is usually installed.

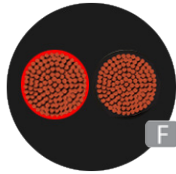
TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²	ad. x mm	mm	kg/km
2 x 0.50	class 5	5.00	35.87
2 x 0.75	class 5	6.20	54.91
2 x 1	class 5	6.60	64.15
2 x 1.5	class 5	7.50	84.76
2 x 2.5	class 5	9.10	128.38
2 x 4	class 5	10.30	174.30
4 x 0.50	class 5	5.80	52.43
4 x 0.75	class 5	7.17	79.74
4 x 1	class 5	7.85	98.26
4 x 1.5	class 5	9.14	135.38
4 x 2.5	class 5	10.79	198.82
4 x 4	class 5	12.20	274.00

HIFLEX SPEAKER



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) İzole PVC
insulation PVC
- 3) Hiflex kılıf PVC
Special sheath PVC



TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: -45 °C / +70 °C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Birçok ses uygulamaları için kullanımı uygundur.
Kablo genellikle sabit uygulamalarda kullanılmaktadır.

TECHNICAL DATA

Permissible operating temperature	: -45 °C / +70 °C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for many audio applications but they can also be used for fixed PA applications where the cable is usually installed.

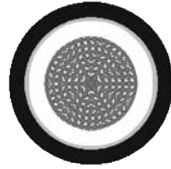
TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm ²	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
2 x 0.50	class 5	5.00	35.87
2 x 0.75	class 5	6.20	54.91
2 x 1	class 5	6.60	64.15
2 x 1.5	class 5	7.50	84.76
2 x 2.5	class 5	9.10	128.38
2 x 4	class 5	10.30	174.30
4 x 0.50	class 5	5.80	52.43
4 x 0.75	class 5	7.17	79.74
4 x 1	class 5	7.85	98.26
4 x 1.5	class 5	9.14	135.38
4 x 2.5	class 5	10.79	198.82
4 x 4	class 5	12.20	274.00

SOLAR (PV1)



- 1) Kalaylı Sınıf 5 Bükülü Çıplak Bakır Teller
Tinned Annealed Class 5 Stranded Plain Copper Wires.
- 2) Çapraz Bağlı Özel İzolasyon Malzemesi
Insulation Cross-Linked Special Compound
- 3) Çapraz Bağlı Özel Kılıf Malzemesi
Outer Sheath Cross-Linked Special



TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: -40 / +90 °C
Test gerilimi (AC)	: 4 kV
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Solar kablolar açık ve kapalı mekan uygulamalarında güneş panelleri ile inverter arasında bağlantı kablosu olarak tasarlanmıştır. Bu tip kablolar; yüksek mekanik gereksinimleri karşılayacak, aşırı sıcak ve soğuk hava koşullarında uzun süre kullanılabilir özelliktedir. Ozon'a ve ultraviyole ışınlarla karşı dayanıklıdır.

TECHNICAL DATA

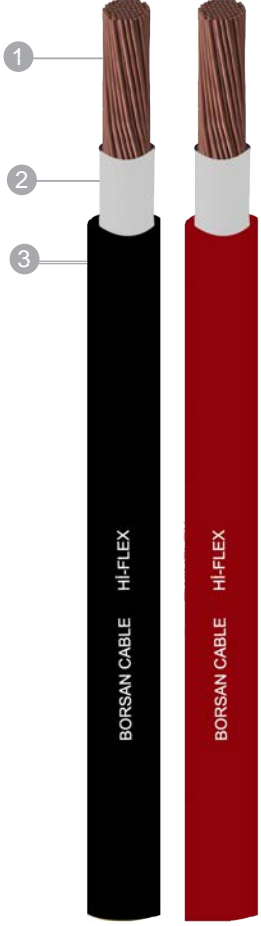
Permissible operating temperature	Test	: - °C
Voltage (AC)		: 4 kV
Minimum Bending Radius		: 12xD

USAGE AREAS

Solar cables are intended for use in outdoor applications for the connection between the solar panels and a possible connection from those to the inverter. PV1 cables designed for high mechanical requirements, extreme weather conditions and permanent installations. The cable is ozone-resistant and UV-resistant.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Kalaylı Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Tinned Annealed Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm ²	ad. x mm	mm	kg/km
1 x 1.5	class 5	4.50	34
1 x 2.5	class 5	4.95	45
1 x 4	class 5	5.45	61
1 x 6	class 5	6.00	80
1 x 10	class 5	6.90	121
1 x 16	class 5	8.10	180
1 x 25	class 5	9.95	276
1 x 35	class 5	11.30	378
1 x 50	class 5	13.15	530
1 x 70	class 5	14.95	721
1 x 95	class 5	16.70	932
1 x 120	class 5	18.55	1189
1 x 150	class 5	20.65	1479
1 x 185	class 5	23.75	1827
1 x 240	class 5	28.50	2424



- 1) İnce Telli Bükülgen Bakır
Fine Wired Flexible Copper
- 2) PVC İzole
PVC Insulation
- 3) Kılıf Özel PVC
Special PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: +70 °C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Elketirk ve elektronik ekipmanların bağlantılarında kullanılır. Özellikle batarya bağlantılarında tercih edilir.

TECHNICAL DATA

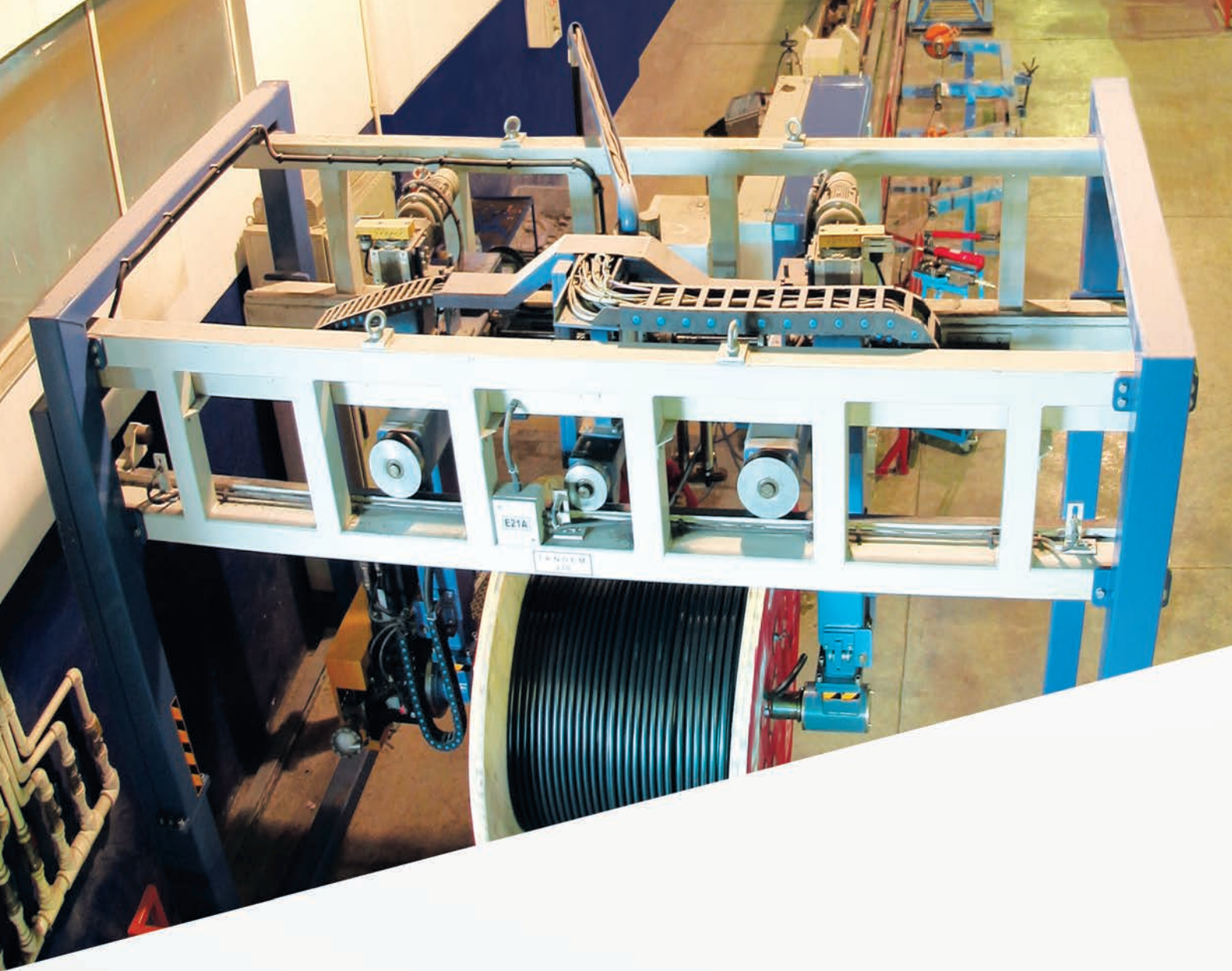
Permissible operating temperature	: +70 °C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD

USAGE AREAS

Used in connection of electric or electronic components. Especially preferred in battery connections.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm ²	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
10	class 6	8.00	143
16	class 6	9.05	203
25	class 6	10.20	285
35	class 6	11.35	379
50	class 6	13.05	503
70	class 6	15.10	701
95	class 6	17.55	968
120	class 6	19.15	1209
150	class 6	20.60	1418
185	class 6	24.30	1847
240	class 6	29.05	2448
300	class 6	32.00	3024



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





ZAYIF AKIM KABLOLARI
COMMUNICATION CABLES
166 - 171



RG59-U4 Koaksiyel Kablo RG59-U4 Coaxial Cable

RG59-U4



KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletişimde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : $75 \pm 3 \Omega$
Kapasite / Capacitance : $52 \pm 2 \text{ pF/m}$
Yayıma Hızı / Insulation Resistance : 82%

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz : 8.2 dB/100m
200Mhz : 11.9 dB/100m
500Mhz : 19.2 dB/100m
800Mhz : 25.9 dB/100m
1000Mhz: 28.1 dB/100m

AMBALAJ / PACKING

100 m plastik makara-500 m kontraplak makara
100 m plastic/Reel-500 m plywood/Reel

KABLO YAPISI

İletken : $\varnothing 0.80 \text{ mm}$ Elektrolitik Bakır
İzolasyon : $\varnothing 3.70 \text{ mm}$ Fiziksel köpüklü PE (S/F/S)
1.Ekran : Alüminyum folyo
2.Ekran : Alüminyum tellerden örgü(%58 Kapama)
Dış Kılıf : 5.90 mm PVC

CABLE CONSTRUCTION

Conductor : $\varnothing 0.80 \text{ mm}$ Electrolytic copper
Insulation : $\varnothing 3.70 \text{ mm}$ PE with physical foam (S/F/S)
1.Shield : Aluminum foil
2.Shield : Braid from aluminum wires (58% Coverage)
Outer Sheath : 5.90 mm PVC

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : $> 26 \text{ dB}$
470-1000 MHz : $> 19 \text{ dB}$
1000-3000 MHz : $> 18 \text{ dB}$

DIŞ KILIF RENGİ / SHEATH COLOR

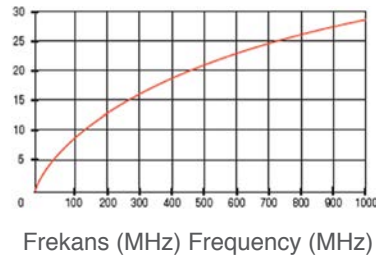
Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

UYGULANAN STANDART / APPLICABLE STANDARD

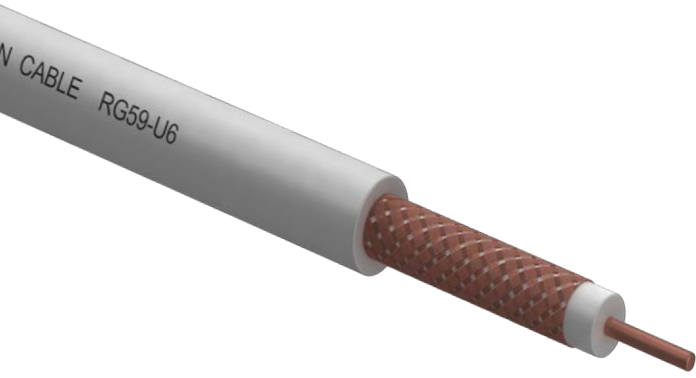
TSEK / ÜBM-03-BK-027. EN 50117



Zayıflama / Attenuation
(dB/100m.)



RG59-U6



KABLO YAPISI

İletken : Ø 0.80 mm Elektrolitik Bakır
 İzolasyon : Ø 3.70 mm Fiziksel köpüklü PE (S/F/S)
 1.Ekran : Bakır folyo
 2.Ekran : Tavlı Bakır tellerden örgü (%58 Kapama)
 Dış Kılıf : 5.90 mm PVC

CABLE CONSTRUCTION

Conductor : Ø 0.80 mm Electrolytic copper
 Insulation : Ø 3.70 mm PE with physical foam (S/F/S)
 1.Shield : Copper foil
 2.Shield : Braid from copper wires (58% Coverage)
 Outer Sheath : 5.90 mm PVC

KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletişimde. CATV.CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : 75 ± 3 Ω
 Kapasite / Capacitance : 52 ± 2 pF/ m
 Yayılma Hızı / Insulation Resistance : 84%

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
 470-1000 MHz : > 20dB
 1000-3000 MHz : > 18dB

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz :8 dB/100m
 200Mhz :11.80 dB/100m
 500Mhz :18.70 dB/100m
 800Mhz :25.10 dB/100m
 1000Mhz:27.60 dB/100m

DIŞ KILIF RENGİ / SHEATH COLOR

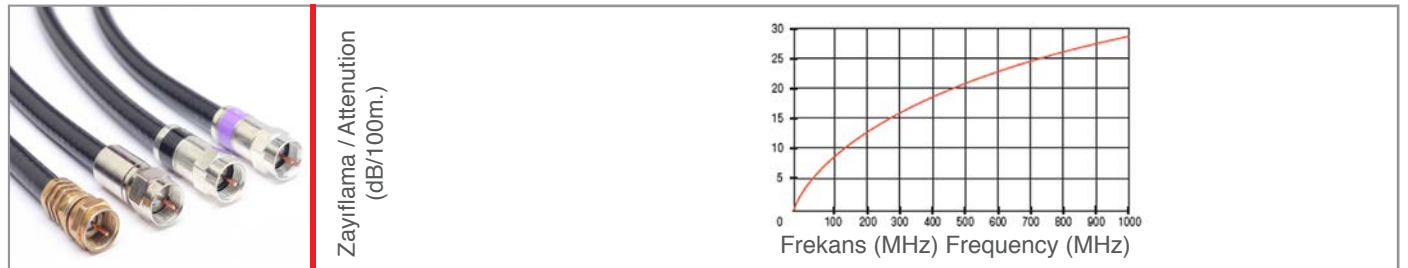
Siyah - Yeşil kodlu / **Black - Green coded**
 Beyaz / **White**

AMBALAJ / PACKING

100 m plastik makara-500 m kontrplak makara
 100 m plastic/Reel-500 m plywood/Reel

UYGULANAN STANDART / APPLICABLE STANDARD

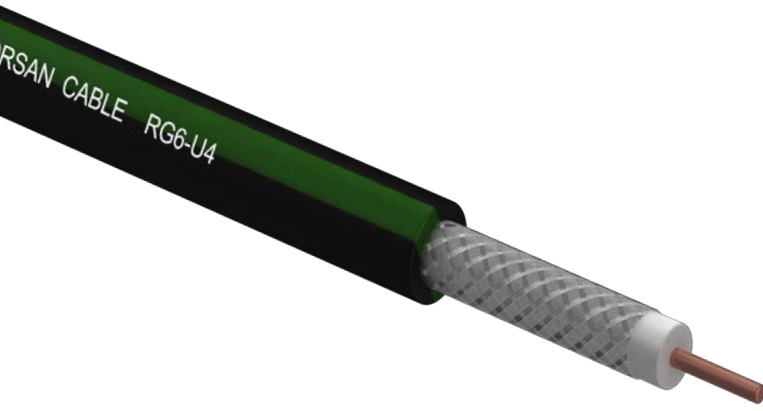
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RG6-U4 Koaksiyel Kablo

RG6-U4 Coaxial Cable

RG6-U4



KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletiliminde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : $75 \pm 3 \Omega$
Kapasite / Capacitance : $52 \pm 2 \text{ pF/m}$
Yayımlama Hızı / Insulation Resistance : 84%

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz :6.20 dB/100m
200Mhz :9.00 dB/100m
500Mhz :14.90 dB/100m
800Mhz :20.30 dB/100m
1000Mhz:21.90 dB/100m

AMBALAJ / PACKING

100 m plastik makara-500 m kontraplak makara
100 m plastic/Reel-500 m plywood/Reel

KABLO YAPISI

İletken : $\varnothing 1.01 \text{ mm}$ Elektrolitik Bakır
İzolasyon : $\varnothing 4.60 \text{ mm}$ Fiziksel köpüklü PE (S/F/S)
1.Ekran : Alüminyum folyo
2.Ekran : Alüminyum tellerden örgü (%58 Kapama)
Dış Kılıf : 6.90 mm PVC

CABLE CONSTRUCTION

Conductor : $\varnothing 1.01 \text{ mm}$ Electrolytic copper
Insulation : $\varnothing 4.60 \text{ mm}$ PE with physical foam (S/F/S)
1.Shield : Aluminum foil
2.Shield : Braid from aluminum wires (58% Coverage)
Outer Sheath : 6.90 mm PVC

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
470-1000 MHz : > 20dB
1000-3000 MHz : > 18dB

DIŞ KILIF RENGİ / SHEATH COLOR

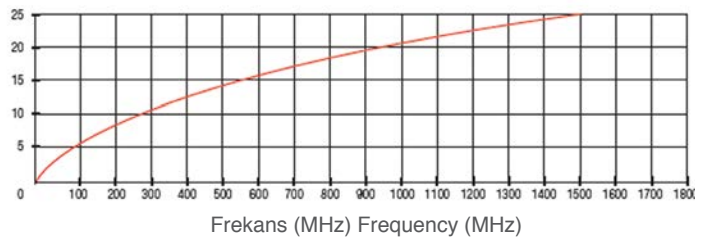
Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

UYGULANAN STANDART / APPLICABLE STANDARD

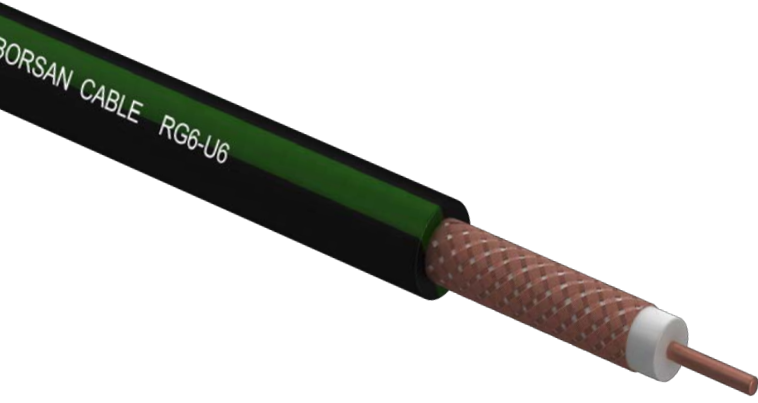
TSEK / ÜBM-03-BK-027. EN 50117



Zayıflama / Attenuation
(dB/100m.)



RG6-U6



KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletişimde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : 75 ± 3 Ω
Kapasite / Capacitance : 52 ± 2 pF/ m
Yayıma Hızı / Insulation Resistance : 84%

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

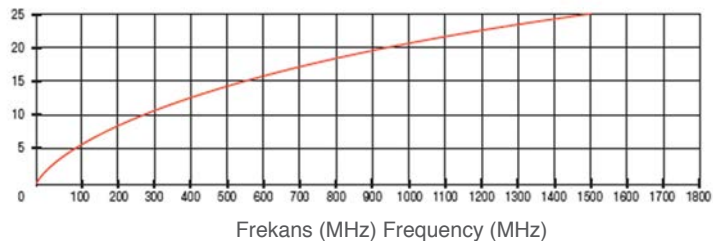
100Mhz :6 dB/100m
200Mhz :8.70 dB/100m
500Mhz :14.70 dB/100m
800Mhz :20.10 dB/100m
1000Mhz:21.65 dB/100m

AMBALAJ / PACKING

100 m plastik makara-500 m kontrplak makara
100 m plastic/Reel-500 m plywood/Reel



Zayıflama / Attenuation
(dB/100m.)



KABLO YAPISI

İletken : Ø 1.01 mm Elektrolitik Bakır
İzolasyon : Ø 4.60 mm Fiziksel köpüklü PE (S/F/S)
1.Ekran : Bakır folyo
2.Ekran : Tavlı Bakır tellerden örgü (%58 Kapama)
Dış Kılıf : 6.90 mm PVC

CABLE CONSTRUCTION

Conductor : Ø 1.01 mm Electrolytic copper
Insulation : Ø 4.60 mm PE with physical foam (S/F/S)
1.Shield : Copper foil
2.Shield : Braid from copper wires (58% Coverage)
Outer Sheath : 6.90 mm PVC

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
470-1000 MHz : > 20dB
1000-3000 MHz : > 18dB

DIŞ KILIF RENGİ / SHEATH COLOR

Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

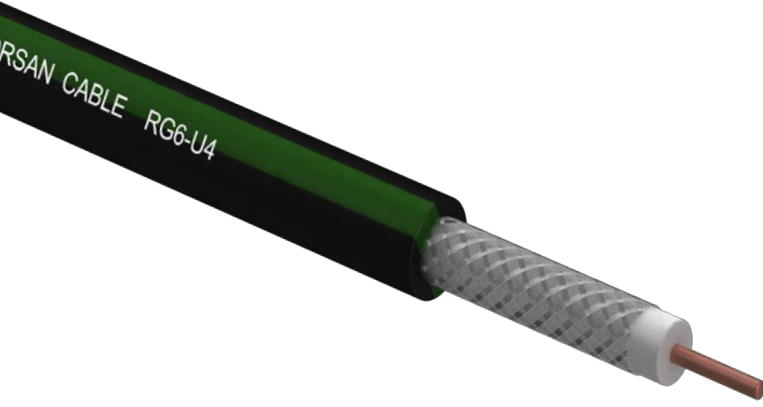
UYGULANAN STANDART / APPLICABLE STANDARD

TSEK / ÜBM-03-BK-027. EN 50117

RG6-U4 Koaksiyel Kablo

RG6-U4 Coaxial Cable

RG6-U4 CCS



KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletişimde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : 75 ± 3 Ω
Kapasite / Capacitance : 52 ± 2 pF/ m
Yayımlama Hızı / Insulation Resistance : 84%

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz :6.20 dB/100m
200Mhz :9.00 dB/100m
500Mhz :14.90 dB/100m
800Mhz :20.30 dB/100m
1000Mhz:21.90 dB/100m

AMBALAJ / PACKING

100 m plastik makara-500 m kontrplak makara
100 m plastic/Reel-500 m plywood/Reel

KABLO YAPISI

İletken : Ø 1.01 mm CCS
İzolasyon : Ø 4.60 mm Fiziksel köpüklü PE (S/F/S)
1.Ekran : Alüminyum folyo
2.Ekran : Alüminyum tellerden örgü (%58 Kapama)
Dış Kılıf : 6.90 mm PVC

CABLE CONSTRUCTION

Conductor : Ø 1.01 mm CCS
Insulation : Ø 4.60 mm PE with physical foam (S/F/S)
1.Shield : Aluminum foil
2.Shield : Braid from aluminum wires (58% Coverage)
Outer Sheath : 6.90 mm PVC

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
470-1000 MHz : > 20dB
1000-3000 MHz : > 18dB

DIŞ KILIF RENGİ / SHEATH COLOR

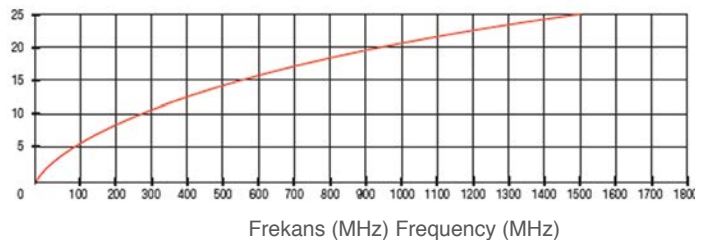
Siyah - Yeşil kodlu / Black - Green coded
Beyaz / White

UYGULANAN STANDART / APPLICABLE STANDARD

TSEK / ÜBM-03-BK-027. EN 50117

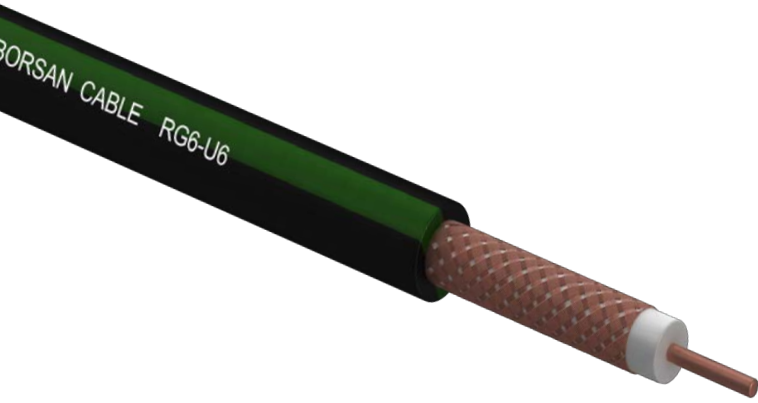


Zayıflama / Attenuation
(dB/100m.)



TEKNİK ÖZELLİKLER TECHNICAL DATA

RG6-U6 CCS



KABLO YAPISI

İletken	: Ø 1.01 mm CCS
İzolasyon	: Ø 4.60 mm Fiziksel köpüklü PE (S/F/S)
1.Ekran	: Bakır folyo
2.Ekran	: Tavlı Bakır tellerden örgü (%58 Kapama)
Dış Kılıf	: 6.90 mm PVC

CABLE CONSTRUCTION

Conductor	: Ø 1.01 mm CCS
Insulation	: Ø 4.60 mm PE with physical foam (S/F/S)
1.Shield	: Copper foil
2.Shield	: Braid from copper wires (58% Coverage)
Outer Sheath	: 6.90 mm PVC

KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletiliminde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution. in SATV (satellite dish) and security systems in which a weak attenuation is required.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance	: 75 ± 3 Ω
Kapasite / Capacitance	: 52 ± 2 pF/ m
Yayımlama Hızı / Insulation Resistance	: 84%

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz	: > 26dB
470-1000 MHz	: > 20dB
1000-3000 MHz	: > 18dB

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz	:6 dB/100m
200Mhz	:8.70 dB/100m
500Mhz	:14.70 dB/100m
800Mhz	:20.10 dB/100m
1000Mhz	:21.65 dB/100m

DIŞ KILIF RENGİ / SHEATH COLOR

Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

AMBALAJ / PACKING

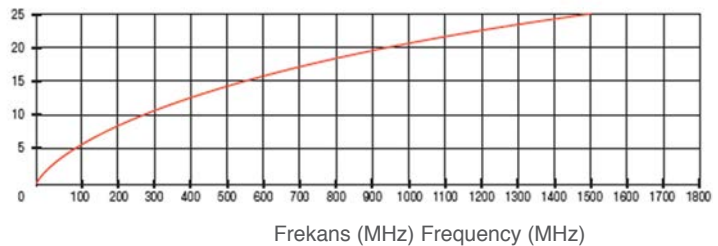
100 m plastik makara-500 m kontrplak makara
100 m plastic/Reel-500 m plywood/Reel

UYGULANAN STANDART / APPLICABLE STANDARD

TSEK / ÜBM-03-BK-027. EN 50117

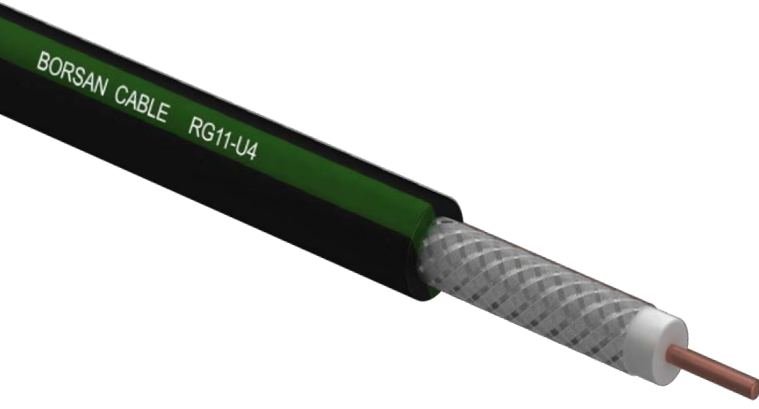


Zayıflama / Attenuation
(dB/100m.)



RG11-U4 Koaksiyel Kablo RG11-U4 Coaxial Cable

RG11-U4



KABLO YAPISI

İletken : Ø 1.65 mm Elektrolitik Bakır
İzolasyon : Ø 7.10 mm Fiziksel köpüklü PE (S/F/S)
1.Ekran : Alüminyum folyo
2.Ekran : Alüminyum tellerden örgü (%58 Kapama)
Dış Kılıf : 10 mm PVC

CABLE CONSTRUCTION

Conductor : Ø 1.65 mm Electrolytic copper
Insulation : Ø 7.10 mm PE with physical foam (S/F/S)
1.Shield : Aluminum foil
2.Shield : Braid from aluminum wires (58%Coverage)
Outer Sheath : 10 mm PVC

KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletiliminde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution.in SATV (satellite dish) and security systems in which a weak attenuation is required.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : $75 \pm 3 \Omega$
Kapasite / Capacitance : 52 ± 2 pF/ m
Yayıma Hızı / Insulation Resistance : 84%

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
470-1000 MHz : > 20dB
1000-3000 MHz : > 18dB

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz :3.9 dB/100m
200Mhz :5.70 dB/100m
500Mhz :8.90 dB/100m
800Mhz :12.6 dB/100m
1000Mhz:14.0 dB/100m

DIŞ KILIF RENGİ / SHEATH COLOR

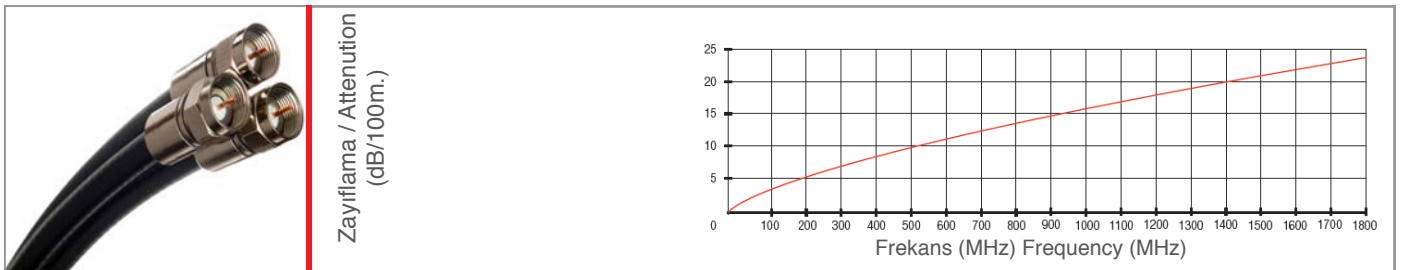
Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

AMBALAJ / PACKING

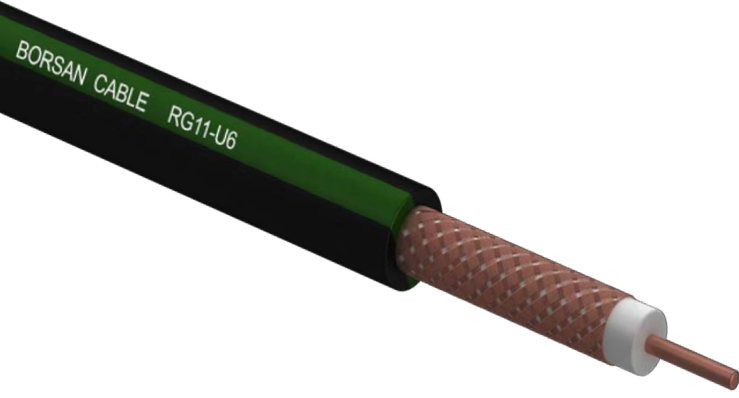
250 m kontraplak makara / 250 m plywood/Reel

UYGULANAN STANDART / APPLICABLE STANDARD

TSEK / ÜBM-03 - BK-027. EN 50117



RG11-U6



KABLO YAPISI

İletken : Ø 1.65 mm Elektrolitik Bakır
İzolasyon : Ø 7.10 mm Fiziksel köpüklü PE (S/F/S)
1.Ekran : Bakır folyo
2.Ekran : Tavlı Bakır tellerden örgü (%58 Kapama)
Dış Kılıf : 10 mm PVC

CABLE CONSTRUCTION

Conductor : Ø 1.65 mm Electrolytic copper
Insulation : Ø 7.10 mm PE with physical foam (S/F/S)
1.Shield : Copper foil
2.Shield : Braid from copper wires (58% Coverage)
Outer Sheath : 10 mm PVC

KULLANIM ALANLARI

75 Ohm geniş bant haberleşme ağlarında. bina içi dijital ve analog görüntülü sinyallerin iletiliminde. CATV. CCTV. ve CTV ana hat dağıtım. düşük zayıflama istenen SATV (uydu anten) ve güvenlik sistemlerinde bağlantı kablosu olarak kullanılır.

USAGE AREAS

It is used as connection cable in 75 Ohm wide-band communication networks. in communications of indoors digital and analog video signals. in CATV. CCTV. and CTV main line distribution.in SATV (satellite dish) and security systems in which a weak attenuation is required.

TEKNİK ÖZELLİKLER / TECHNICAL DATA

Empedans / Impedance : 75 ± 3 Ω
Kapasite / Capacitance : 52 ± 2 pF/ m
Yayıma Hızı / Insulation Resistance : 84%

GERİ DÖNÜŞ KAYBI (20°C) / RETURN LOSS (20°C)

5) 30 MHz : > 26dB
470-1000 MHz : > 20dB
1000-3000 MHz : > 18dB

ZAYIFLAMALAR (20°C) / ATTENUATION (20°C)

100Mhz :3.7 dB/100m
200Mhz :5.70 dB/100m
500Mhz :8.70 dB/100m
800Mhz :12.4 dB/100m
1000Mhz:13.7 dB/100m

DIŞ KILIF RENGİ / SHEATH COLOR

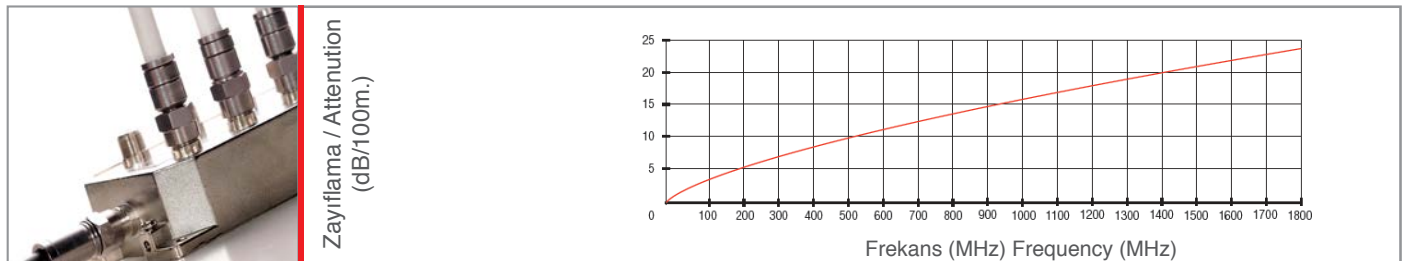
Siyah - Yeşil kodlu / **Black - Green coded**
Beyaz / **White**

AMBALAJ / PACKING

250 m kontraplak makara / 250 m plywood/Reel

UYGULANAN STANDART / APPLICABLE STANDARD

TSEK / ÜBM- 03 - BK-027. EN 50117





EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





 **yilka**[®]
K A B L O

0.6 / 1 KV PVC İZOLELİ ALÜMİNYUM İLETKENLİ GÜÇ KABLOLARI
0.6 / KV PVC INSULATED ALUMINIUM CONDUCTOR POWER CABLES
176- 193



YAVV / NAYY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC izole
PVC Insulation
- 3) PE Dolgu
PE Filler
- 4) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

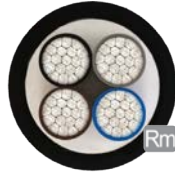
KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

USAGE AREAS

It is used in places where the mechanical stresses are low, used as surface mounted, in ducts, underground, as mains and lighting cables.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVV / NAYY

YAVV / NAYY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X16	9.6	-	-	1.910	115	1000	R 700
1X25	11.5	87	106	1.200	160	1000	R 700
1X35	12.5	107	127	0.868	200	1000	R 800
1X50	14.5	131	151	0.641	280	1000	R 900
1X70	16	166	185	0.443	350	1000	R 1000
1X95	18	205	222	0.320	450	1000	R 1100
1X120	20	239	253	0.253	550	1000	R 1100
1X150	22	273	284	0.206	700	1000	R 1200
1X185	24	317	322	0.164	800	1000	R 1300
1X240	27	378	375	0.125	1050	1000	R 1400
1X300	30	437	425	0.100	1300	1000	R 1500
1X400	34	513	487	0.078	1700	1000	R 1600
1X500	37.5	600	558	0.061	2050	1000	R 1700
2X16	18.7	-	-	1.910	480	1000	R 1100
2X25	22.5	82	102	1.200	650	1000	R 1200
2X35	25	100	123	0.868	800	1000	R 1300
2X50	28.5	119	144	0.641	1100	1000	R 1400
2X70	32	152	179	0.443	1400	1000	R 1500
2X95	36.5	186	215	0.320	1850	1000	R 1600
2X120	40	216	245	0.253	2200	1000	R 1800
2X150	44	246	275	0.206	2650	1000	R 2000
2X185	49	285	313	0.164	3300	1000	R 2100
3X16	19.7	-	-	1.910	545	1000	R 1100
3X25	24	82	102	1.200	760	1000	R 1300
3X35	26.5	100	123	0.868	930	1000	R 1300
3X50	30.5	119	144	0.641	1250	1000	R 1400
3X70	34.5	152	179	0.443	1650	1000	R 1500
3X95	39.5	186	215	0.320	2150	1000	R 1800
3X120	43	216	245	0.253	2550	1000	R 2000
3X150	48	246	275	0.206	3200	1000	R 2100
3X185	52.5	285	313	0.164	3900	1000	R 2200
3X240	59.5	338	364	0.125	4950	500	R 1900
3X300	65.5	400	419	0.100	6050	500	R 2000
3X400	74	472	484	0.078	7850	500	R 2200

YAVV / NAYY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC izole
PVC Insulation
- 3) PE Dolgu
PE Filler
- 4) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

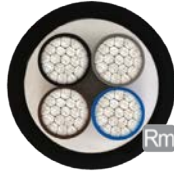
KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

USAGE AREAS

It is used in places where the mechanical stresses are low. used as surface mounted. in ducts. underground. as mains and lighting cables.

70°C
Max. işletme sıcaklığı
Max. Operating
temperature

160°C
Kısa devre sıcaklığı
Short circuit
temperature

Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV

Aleve dayanıklılık
Flame retardant
IEC 60332-1

Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVV / NAYY

YAVV / NAYY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
4x16	21	-	-	1.91	625	1000	R 1200
4x25	26	82	102	1.2	900	1000	R 1300
4x35	29	100	123	0.868	1150	1000	R 1400
4x50	34	119	144	0.641	1600	1000	R 1500
4x70	38.5	152	179	0.443	2050	1000	R 1700
4x95	43.5	186	215	0.32	2650	1000	R 2000
4x120	48	216	245	0.253	3200	1000	R 2100
4x150	53	246	275	0.206	3950	1000	R 2200
4x185	59	285	313	0.164	4900	500	R 1900
4x240	66	338	364	0.125	6150	500	R 2000
4x300	72.5	400	419	0.1	7500	500	R 2300
4x400	82.5	472	484	0.078	9750	500	R 2400
5x16	23.1	-	-	1.91	660	1000	R 1200
5x25	27.5	82	102	1.2	940	1000	R 1400
5x35	30.8	100	123	0.868	1190	1000	R 1500
5x50	35.6	119	144	0.641	1580	1000	R 1600
5x70	40.6	152	179	0.443	2090	1000	R 1800
5x95	46.8	186	215	0.32	2810	1000	R 2000
5x120	51.5	216	245	0.253	3440	500	R 1600
5x150	56.6	246	275	0.206	4170	500	R 1900
5x185	62.2	285	313	0.164	5010	500	R 2000
5x240	71	338	364	0.125	6540	250	R 1700
5x300	77.9	400	419	0.1	7920	250	R 1800
3x16+10	21	-	-	1.910/3.080	590	1000	R 1200
3x25+16	25	82	102	1.200/1.910	850	1000	R 1300
3x35+16	27	100	123	0.868/1.910	1000	1000	R 1400
3x50+25	32	119	144	0.641/1.200	1350	1000	R 1500
3x70+35	36	152	179	0.443/0.868	1800	1000	R 1600
3x95+50	41	186	215	0.320/0.641	2350	1000	R 1800
3x120+70	45.5	216	245	0.253/0.443	2900	1000	R 2000
3x150+70	49.5	246	275	0.206/0.443	3450	1000	R 2100
3x185+95	55	285	313	0.164/0.320	4250	500	R 1800
3x240+120	61.5	338	364	0.125/0.253	5350	500	R 2000
3x300+150	68	400	419	0.100/ 0.206	6550	500	R 2100
3x400+185	76.5	472	484	0.0778/0.164	8400	500	R 2200

YAVZ2V / NAYRY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C
Max. işletme sıcaklığı
Max. Operating temperature

160°C
Kısa devre sıcaklığı
Short circuit temperature

Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV

Aleve dayanıklılık
Flame retardant
IEC 60332-1

Pb
Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ2V / NAYRY

YAVZ2V / NAYRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

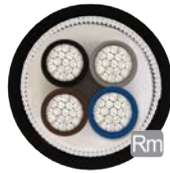
1X16	12.10	-	-	1.910	280	1000	R 800
1X25	17.00	87	106	1.200	570	1000	R 1000
1X35	18.00	107	127	0.868	650	1000	R 1100
1X50	20.00	131	151	0.641	780	1000	R 1100
1X70	21.50	166	185	0.443	900	1000	R 1200
1X95	24.50	205	222	0.320	1200	1000	R 1300
1X120	26.00	239	253	0.253	1350	1000	R 1300
1X150	28.00	273	284	0.206	1555	1000	R 1400
1X185	30.00	317	322	0.164	1800	1000	R 1400
1X240	33.00	378	375	0.125	2100	1000	R 1500
1X300	36.50	437	425	0.100	2700	1000	R 1600
1X400	40.50	513	487	0.078	3250	1000	R 1800
1X500	44.00	600	558	0.061	3800	1000	R 1900
2X25	25.50	82	102	1.200	1350	1000	R 1300
2X35	28.00	100	123	0.868	1550	1000	R 1400
2X50	32.00	119	144	0.641	1950	1000	R 1500
2X70	36.00	152	179	0.443	2600	1000	R 1600
2X95	41.00	186	215	0.320	3250	1000	R 1800
2X120	44.50	216	245	0.253	3700	1000	R 1900
2X150	49.50	246	275	0.206	4800	1000	R 2100
2X185	54.50	285	313	0.164	5650	500	R 1800
2X240	60.50	338	364	0.125	6800	500	R 1900
3X25	27.00	82	102	1.200	1450	1000	R 1400
3X35	29.50	100	123	0.868	1700	1000	R 1400
3X50	34.00	119	144	0.641	2200	1000	R 1500
3X70	39.00	152	179	0.443	2950	1000	R 1700
3X95	44.00	186	215	0.320	3650	1000	R 1900
3X120	47.50	216	245	0.253	4200	1000	R 2100
3X150	53.00	246	275	0.206	5500	500	R 1700
3X185	58.00	285	313	0.164	6350	500	R 1800
3X240	64.50	338	364	0.125	7750	500	R 2000
3X300	71.00	400	419	0.100	9150	500	R 2200
3X400	81.50	472	484	0.078	12300	250	R 2400

YAVZ2V / NAYRY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak iletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted. in ducts. underground. as mains and lighting cable. Due to having galvanized round steel wire armour. they conform to heavy installation and mounting conditions.

70°C
Max. işletme sıcaklığı
Max. Operating temperature

160°C
Kısa devre sıcaklığı
Short circuit temperature

Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV

Alev dayanıklılık
Flame retardant
IEC 60332-1

Pb
Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ2V / NAYRY

YAVZ2V / NAYRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X25	29.5	82	102	1.2	1650	1000	R 1400
4X35	32	100	123	0.868	2000	1000	R 1500
4X50	38.5	119	144	0.641	2900	1000	R 1700
4X70	42.5	152	179	0.443	3450	1000	R 1900
4X95	49	186	215	0.32	4700	1000	R 2100
4X120	53	216	245	0.253	5500	1000	R 2300
4X150	58.5	246	275	0.206	6500	500	R 1800
4X185	64	285	313	0.164	7650	500	R 2000
4X240	71	338	364	0.125	9250	500	R 2200
4X300	78	400	419	0.1	10950	250	R 2000
4X400	89.5	472	484	0.078	14700	250	R 2200
5x25	34.1	82	102	1.2	2180	1000	R 1500
5x35	37	100	123	0.868	2550	1000	R 1600
5x50	41.9	119	144	0.641	3160	1000	R 1800
5x70	48.2	152	179	0.443	4290	1000	R 2100
5x95	54.1	186	215	0.32	5310	500	R 1800
5x120	58.9	216	245	0.253	6230	500	R 1900
5x150	63.7	246	275	0.206	7160	500	R 2100
5x185	69.7	285	313	0.164	8390	250	R 1600
5x240	79.4	338	364	0.125	11190	250	R 1800
5x300	86.4	400	419	0.1	13030	250	R 1900
3X25+16	28.5	82	102	1.200/1.910	1600	1000	R 1400
3X35+16	31	100	123	0.868/1.910	1800	1000	R 1500
3X50+25	36.5	119	144	0.641/1.200	2600	1000	R 1600
3X70+35	40.5	152	179	0.443/0.868	3150	1000	R 1800
3X95+50	46	186	215	0.320/0.641	3950	1000	R 2000
3X120+70	51.5	216	245	0.253/0.443	5100	1000	R 2200
3X150+70	55	246	275	0.206/0.443	5800	500	R 1800
3X185+95	60.5	285	313	0.164/0.320	6850	500	R 1900
3X240+120	67	338	364	0.125/0.253	8250	500	R 2100
3X300+150	73.5	400	419	0.100/ 0.206	9750	500	R 2300
3X400+185	84	472	484	0.0778/0.164	13050	250	R 2000

YAVZ3V / NAYFGbY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırh
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

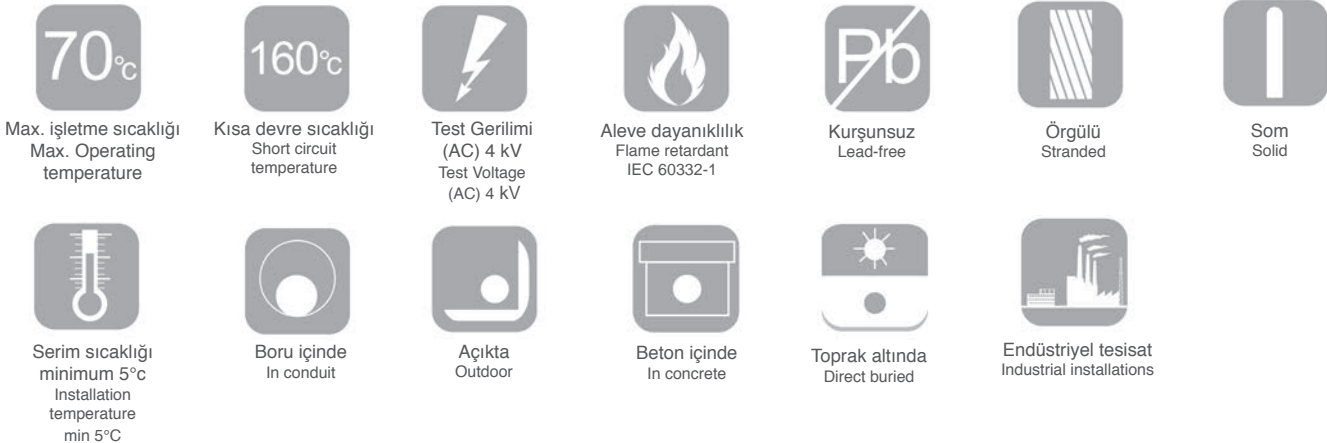
Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized steel tape armour they conform to heavy installation and mounting conditions.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ3V / NAYFGbY

YAVZ3V / NAYFGbY

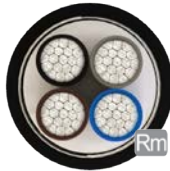
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2X25	24.50	82	102	1.200	1100	1000	R 1300
2X35	27.00	100	123	0.868	1300	1000	R 1400
2X50	31.00	119	144	0.641	1700	1000	R 1400
2X70	34.50	152	179	0.443	2050	1000	R 1500
2X95	39.00	186	215	0.320	2600	1000	R 1700
2X120	42.50	216	245	0.253	3050	1000	R 1900
2X150	46.50	246	275	0.206	3600	1000	R 2000
2X185	51.50	285	313	0.164	4350	1000	R 2200
2X240	57.50	338	364	0.125	5350	500	R 1800
3X25	26.00	82	102	1.200	1250	1000	R 1300
3X35	28.50	100	123	0.868	1500	1000	R 1400
3X50	33.00	119	144	0.641	1900	1000	R 1500
3X70	37.00	152	179	0.443	2350	1000	R 1600
3X95	42.00	186	215	0.320	2950	1000	R 1800
3X120	45.50	216	245	0.253	3500	1000	R 2000
3X150	50.00	246	275	0.206	4200	1000	R 2200
3X185	55.00	285	313	0.164	5000	500	R 1800
3X240	61.50	338	364	0.125	6200	500	R 2000
3X300	68.00	400	419	0.100	7450	500	R 2200
3X400	76.50	472	484	0.078	9500	500	R 2400

YAVZ3V / NAYFGbY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırlık
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant
Galvanized Steel Tape
- 6) PVC Kılıf
PVC Sheath

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized steel tape armour they conform to heavy installation and mounting conditions.

70°C
Max. işletme sıcaklığı
Max. Operating temperature

160°C
Kısa devre sıcaklığı
Short circuit temperature

4 kV
Test Gerilimi (AC)
Test Voltage (AC)

IEC 60332-1
Alev dayanıklılık
Flame retardant

Pb
Kurşunsuz
Lead-free

Örgülü
Stranded

Som
Solid

5°C
Serim sıcaklığı
Installation temperature
min 5°C

Boru içinde
In conduit

Açıkta
Outdoor

Beton içinde
In concrete

Toprak altında
Direct buried

Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ3V / NAYFGbY

YAVZ3V / NAYFGbY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
4X25	28.5	82	102	1.2	1500	1000	R 1400
4X35	31	100	123	0.868	1750	1000	R 1400
4X50	36.5	119	144	0.641	2300	1000	R 1600
4X70	40.5	152	179	0.641	2850	1000	R 1800
4X95	46	186	215	0.641	3550	1000	R 2000
4X120	50	216	245	0.641	4250	1000	R 2200
4X150	55.5	246	275	0.641	5100	1000	R 2400
4X185	61	285	313	0.641	6100	500	R 2000
4X240	68	338	364	0.641	7550	500	R 2200
4X300	75	400	419	0.641	9100	500	R 2300
4X400	85	472	484	0.641	11500	500	R 2400
5x25	31.4	82	102	1.2	1710	1000	R 1500
5x35	34.9	100	123	0.868	2060	1000	R 1600
5x50	39.8	119	144	0.641	2610	1000	R 1800
5x70	44.9	152	179	0.443	3290	1000	R 2000
5x95	51.2	186	215	0.32	4200	500	R 1600
5x120	56.1	216	245	0.253	5010	500	R 1700
5x150	61.3	246	275	0.206	5890	500	R 2000
5x185	67.4	285	313	0.164	7010	250	R 1600
5x240	76.1	338	364	0.125	8810	250	R 1800
5x300	83.2	400	419	0.1	10460	250	R 1900
3X25+16	27.5	82	102	1.200/1.910	1350	1000	R 1400
3X35+16	29.5	100	123	0.868/1.910	1550	1000	R 1400
3X50+25	34	119	144	0.641/1.200	2050	1000	R 1500
3X70+35	38.5	152	179	0.443/0.868	2550	1000	R 1700
3X95+50	43.5	186	215	0.320/0.641	3250	1000	R 1900
3X120+70	48	216	245	0.253/0.443	3900	1000	R 2100
3X150+70	52	246	275	0.206/0.443	4500	1000	R 2400
3X185+95	57	285	313	0.164/0.320	5400	500	R 2000
3X240+120	63.5	338	364	0.125/0.253	6650	500	R 2200
3X300+150	70	400	419	0.100/ 0.206	8000	500	R 2300
3X400+185	79	472	484	0.0778/0.164	10100	500	R 2400

YAVZ4V / NAYBY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel tape armour they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ4V / NAYBY

YAVZ4V / NAYBY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2X25	24.00	82	102	1.200	900	1000	R 1200
2X35	26.00	100	123	0.868	1100	1000	R 1300
2X50	30.00	119	144	0.641	1400	1000	R 1400
2X70	33.50	152	179	0.443	1750	1000	R 1500
2X95	38.00	186	215	0.320	2250	1000	R 1700
2X120	42.50	216	245	0.253	2950	1000	R 1900
2X150	46.50	246	275	0.206	3550	1000	R 2000
2X185	51.00	285	313	0.164	4250	1000	R 2200
2X240	57.00	338	364	0.125	5200	500	R 2000
3X25	25.00	82	102	1.200	1050	1000	R 1300
3X35	27.50	100	123	0.868	1250	1000	R 1400
3X50	32.00	119	144	0.641	1600	1000	R 1500
3X70	36.00	152	179	0.443	2050	1000	R 1600
3X95	42.00	186	215	0.320	2900	1000	R 1800
3X120	45.00	216	245	0.253	3400	1000	R 2000
3X150	50.00	246	275	0.206	4150	1000	R 2200
3X185	55.00	285	313	0.164	4900	500	R 1800
3X240	61.50	338	364	0.125	6100	500	R 2000
3X300	67.50	400	419	0.100	7300	500	R 2200
3X400	76.50	472	484	0.078	9300	500	R 2400

YAVZ4V / NAYBY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel tape armour they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı
Max. Operating temperature

160°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Alev dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVZ4V / NAYBY

YAVZ4V / NAYBY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X25	27.5	82	102	1.2	1200	1000	R 1400
4X35	30	100	123	0.868	1450	1000	R 1500
4X50	35.5	119	144	0.641	2000	1000	R 1600
4X70	40.5	152	179	0.443	2750	1000	R 1800
4X95	46	186	215	0.32	3500	1000	R 2000
4X120	50	216	245	0.253	4150	1000	R 2200
4X150	55.5	246	275	0.206	5000	1000	R 2400
4X185	61	285	313	0.164	6000	500	R 2000
4X240	68	338	364	0.125	7450	500	R 2100
4X300	75	400	419	0.1	8950	500	R 2300
4X400	85	472	484	0.078	11400	500	R 2400
5x25	29.8	82	102	1.2	1310	1000	R 1500
5x35	33.3	100	123	0.868	1620	1000	R 1500
5x50	39.5	119	144	0.641	2630	1000	R 1800
5x70	44.7	152	179	0.443	3310	1000	R 1900
5x95	51	186	215	0.32	4240	500	R 1600
5x120	55.9	216	245	0.253	5040	500	R 1700
3X25+16	26.5	82	102	1.200/1.910	1150	1000	R 1300
3X35+16	28.5	100	123	0.868/1.910	1300	1000	R 1400
3X50+25	33	119	144	0.641/1.200	1750	1000	R 1500
3X70+35	37.5	152	179	0.443/0.868	2200	1000	R 1700
3X95+50	43.5	186	215	0.320/0.641	3150	1000	R 1900
3X120+70	47.5	216	245	0.253/0.443	3800	1000	R 2100
3X150+70	51.5	246	275	0.206/0.443	4400	1000	R 2300
3X185+95	57	285	313	0.164/0.320	5300	500	R 2000
3X240+120	63.5	338	364	0.125/0.253	6550	500	R 2200
3X300+150	70	400	419	0.100/ 0.206	7900	500	R 2300
3X400+185	79	472	484	0.0778/0.164	9900	500	R 2400

YAVCV / NAYCY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160° C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

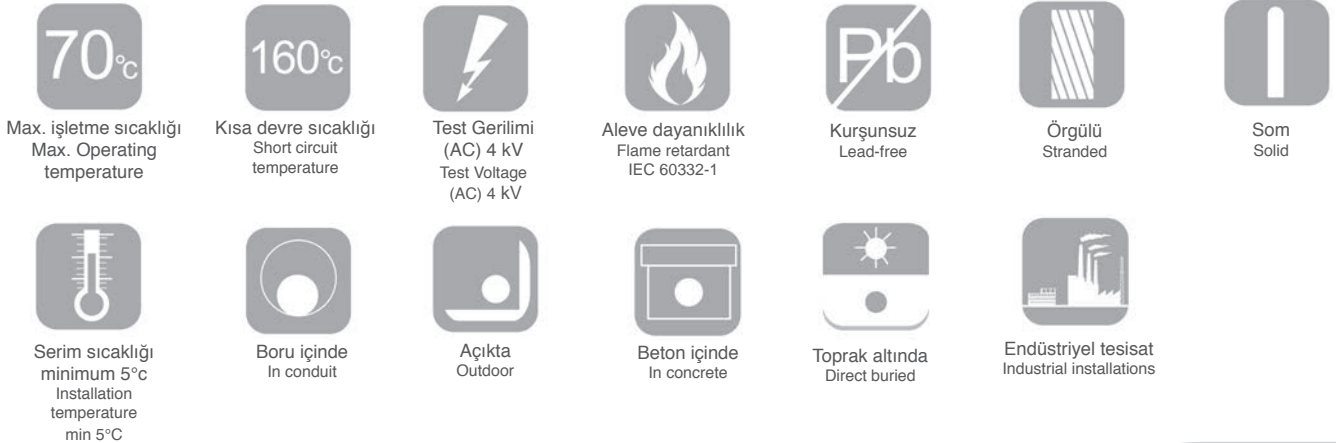
Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAVCV / NAYCY

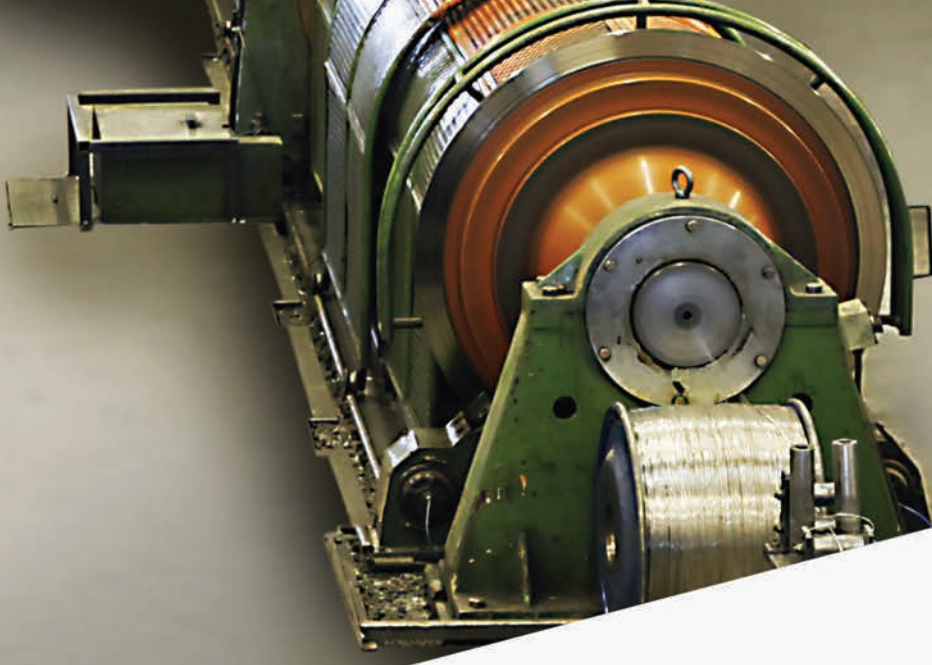
YAVCV / NAYCY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1X25/16	16.00	91	108	1.200/1.150	400	1000	R 1000
1X35/16	17.00	112	129	0.868/1.150	450	1000	R 1000
1X50/25	19.50	137	153	0.641/0.727	630	1000	R 1100
1X70/35	21.50	173	187	0.443/0.524	800	1000	R 1200
1X95/50	24.00	212	223	0.320/0.387	1050	1000	R 1200
1X120/70	26.00	247	252	0.253/0.268	1350	1000	R 1300
1X150/70	27.50	280	280	0.206/0.268	1500	1000	R 1400
1X240/120	33.50	374	358	0.125/0.153	2350	1000	R 1500
3X25/16	25.00	91	108	1.200/1.150	900	1000	R 1300
3X35/16	27.50	112	129	0.868/1.150	1100	1000	R 1400
3X50/25	32.00	137	153	0.641/0.727	1500	1000	R 1500
3X70/35	36.00	173	187	0.443/0.524	2000	1000	R 1600
3X95/50	41.50	212	223	0.320/0.387	2650	1000	R 1800
3X120/70	45.00	247	252	0.253/0.268	3250	1000	R 2000
3X150/70	50.00	280	280	0.206/0.268	3850	1000	R 2200
3X185/95	55.00	321	314	0.164/0.198	7800	500	R 1800
3X240/120	61.50	374	358	0.125/0.153	6100	500	R 2000
3X300/150	68.00	426	397	0.100/0.124	7450	500	R 2200
3X400/185	77.50	488	441	0.0778/0.0991	9600	500	R 2400



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





0.6 / 1 KV PVC İZOLELİ ALÜMİNYUM İLETKENLİ
SEKTÖR KESİTLİ GÜÇ KABLOLARI
0.6 / KV PVC INSULATED ALUMINIUM STRANDED
SECTORAL CONDUCTOR POWER CABLES
196 - 201



0.6 / 1 kV PVC İzoleli Sektör Kesitli Güç Kabloları 0.6 / 1 kV PVC Insulated Stranded Sectoral Conductor Power Cables

YAVV / NAYY (SM)



- 1) Sektör Kesitli Alüminyum İletken
Stranded Sector Shaped Aluminium
Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde. sıva üstünde. kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

SM : Sektör Kesitli Çoklu Alüminyum iletken
SM : Multi Wire Sectoral Aluminium Conductor



STANDARD

VDE 0276-603

USAGE AREAS

It is used in places where the mechanical stresses are low. used as surface mounted. in ducts. underground. as mains and lighting cables.

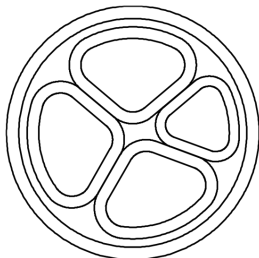
 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Sektör kesit Sector
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

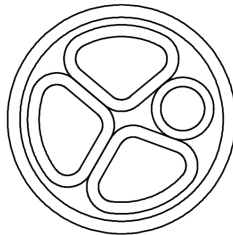
YAVV / NAYY (SM)

YAVV / NAYY (SM)

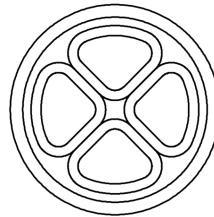
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50	24.50	119	144	0.641	778	1000	R 1300
3X70	27.30	152	179	0.443	1000	1000	R 1400
3X95	30.70	186	215	0.320	1323	1000	R 1500
3X120	33.30	216	245	0.253	1585	1000	R 1600
3X150	37.30	246	275	0.206	1956	1000	R 1800
3X185	41.10	285	313	0.164	2407	1000	R 1900
3X240	46.40	338	364	0.125	3095	1000	R 2100
3X50+25	26.20	119	144	0.641/1.200	887	1000	R 1400
3X70+35	29.20	152	179	0.443/0.868	1140	1000	R 1500
3X95+50	33.90	186	215	0.320/0.641	1565	1000	R 1700
3X120+70	39.10	216	245	0.253/0.443	1930	1000	R 1900
3X150+70	40.80	246	275	0.206/0.443	2262	1000	R 2000
3X185+95	45.00	285	313	0.164/0.320	2824	1000	R 2200
3X240+120	50.90	338	364	0.125/0.253	3608	500	R 1800
4X50	27.00	119	144	0.641	968	1000	R 1400
4X70	30.80	152	179	0.443	1278	1000	R 1500
4X95	35.20	186	215	0.320	1740	1000	R 1700
4X120	38.60	216	245	0.253	2093	1000	R 1800
4X150	42.70	246	275	0.206	2563	1000	R 2000
4X185	46.90	285	313	0.164	3145	1000	R 2300
4X240	52.90	338	364	0.125	4056	500	R 1800



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

YAVZ2V NAYRY (SM)



- 1) Sektör Kesitli Alüminyum İletken
Stranded Sector Shaped Aluminium
Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

SM : Sektör Kesitli Çoklu Alüminyum İletken
SM : Multi Wire Sectoral Aluminium Conductor

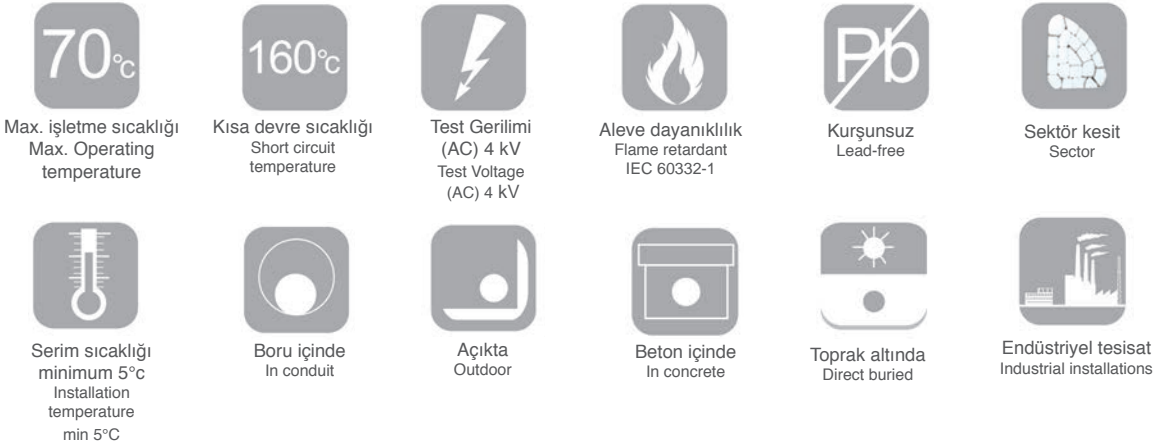


STANDARD

VDE 0276-603

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted. in ducts. underground. as mains and lighting cable. Due to having galvanized round steel wire armour. they conform to heavy installation and mounting conditions.

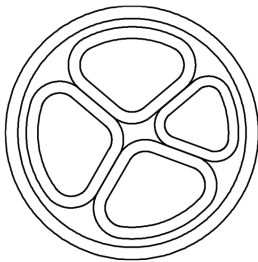


TEKNİK ÖZELLİKLER TECHNICAL DATA

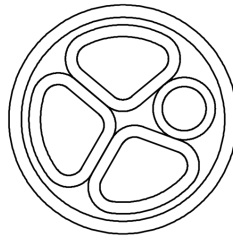
YAVZ2V NAYRY (SM)

YAVZ2V / NAYRY (SM)

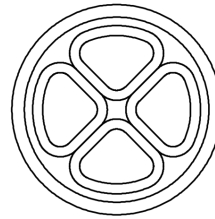
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
3X50	30.50	119	144	0.641	1610	1000	R 1400
3X70	35.00	152	179	0.443	2220	1000	R 1600
3X95	39.30	186	215	0.320	2745	1000	R 1800
3X120	42.20	216	245	0.253	3145	1000	R 1900
3X150	47.50	246	275	0.206	4020	1000	R 2000
3X185	51.90	285	313	0.164	4730	500	R 1700
3X240	57.80	338	364	0.125	5820	300	R 1800
3X50+25	33.10	119	144	0.641/1.200	1950	1000	R 1500
3X70+35	38.00	152	179	0.443/0.868	2655	1000	R 1700
3X95+50	43.70	186	215	0.320/0.641	3105	1000	R 1900
3X120+70	49.00	216	245	0.253/0.443	4195	1000	R 2100
3X150+70	52.00	246	275	0.206/0.443	4815	500	R 1700
3X185+95	57.20	285	313	0.164/0.320	5705	500	R 1800
3X240+120	63.70	338	364	0.125/0.253	7020	300	R 2000
4X50	35.40	119	144	0.641	2240	1000	R 1600
4X70	39.20	152	179	0.443	2750	1000	R 1800
4X95	44.30	186	215	0.320	3360	1000	R 1900
4X120	49.30	216	245	0.253	4380	1000	R 2200
4X150	53.60	246	275	0.206	5000	500	R 1800
4X185	59.00	285	313	0.164	5960	500	R 1900
4X240	65.70	338	364	0.125	7340	500	R 2100



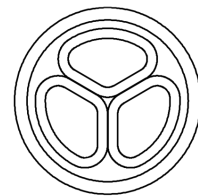
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YAVCV NAYCY (SM)



- 1) Sektör Kesitli Alüminyum İletken
Stranded Sector Shaped Aluminium
Conductor
- 2) PVC İzole
PVC Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Alüminyum İletken
SM : Multi Wire Sectoral Aluminium Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

70°C

Max. işletme sıcaklığı
Max. Operating
temperature

160°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Sektör kesit
Sector



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



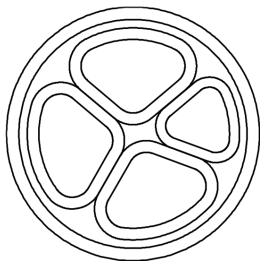
Endüstriyel tesisat
Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

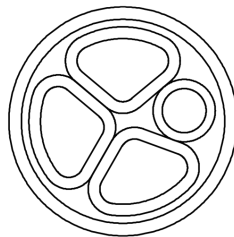
YAVCV NAYCY (SM)

YAVCV / NAYCY (SM)

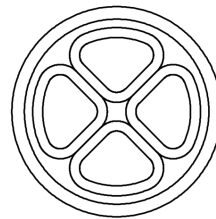
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50/50 RE	31.50	121	145	0.641/0.387	1522	1000	R 1500
3X70/70 SE	33.10	155	180	0.443/0.268	1675	1000	R 1500
3X95/95 SE	36.90	189	216	0.320/0.198	2247	1000	R 1700
3X120/120 SE	40.00	220	246	0.253/0.153	2715	1000	R 1800
3X70/35 SM	33.10	155	180	0.443/0.524	1489	1000	R 1500
3X70/70 SM	34.10	155	180	0.443/0.268	1648	1000	R 1500
3X95/50 SM	37.70	189	216	0.320/0.387	1974	1000	R 1700
3X95/95 SM	38.70	189	216	0.320/0.198	2253	1000	R 1800
3X120/70 SM	40.20	220	246	0.253/0.268	2381	1000	R 1800
3X120/120 SM	40.90	220	246	0.253/0.153	2654	1000	R 1800
3X150/70 SM	44.20	249	276	0.206/0.268	2798	1000	R 1900
3X150/150 SM	45.40	249	276	0.206/0.124	3164	1000	R 2000
3X185/95 SM	48.60	287	313	0.164/0.198	3498	500	R 1600



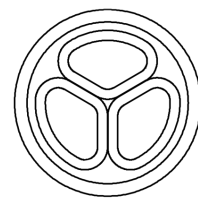
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EDIT Leader

(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)





0.6 / 1 KV XLPE İZOLELİ ALÜMİNYUM İLETKENLİ
ALÇAK GERİLİM GÜÇ KABLolari
0.6 / 1 KV XLPE INSULATED ALUMINIUM CONDUCTOR
LOW VOLTAGE POWER CABLES
204 - 225

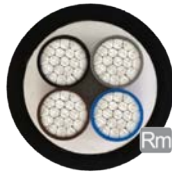


YAXV / NA2XY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

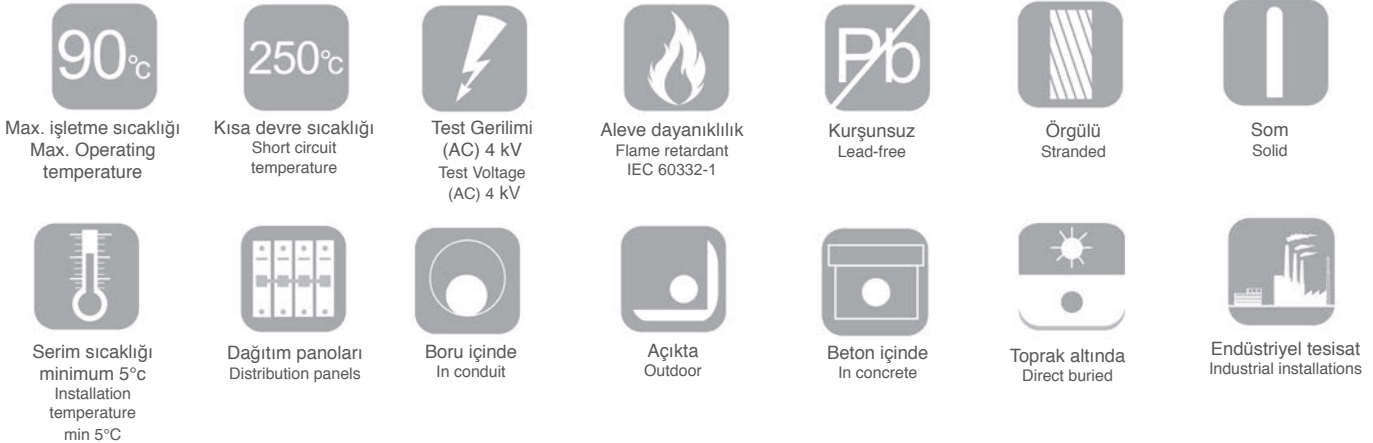
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde. ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXV / NA2XY

YAXV / NA2XY

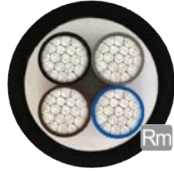
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1X16	8.9	-	-	1.910	95	1000	R 600
1X25	10.50	106	114	1.200	150	1000	R 700
1X35	12.00	130	136	0.868	180	1000	R 800
1X50	13.50	161	162	0.641	250	1000	R 900
1X70	15.50	204	199	0.443	300	1000	R 900
1X95	17.00	252	238	0.320	400	1000	R 1000
1X120	19.00	295	272	0.253	500	1000	R 1100
1X150	21.00	339	305	0.206	600	1000	R 1200
1X185	23.00	395	347	0.164	750	1000	R 1200
1X240	26.00	472	404	0.125	950	1000	R 1300
1X300	25.50	547	457	0.100	1150	1000	R 1300
1X400	36.00	643	525	0.078	1850	1000	R 1600
1X500	35.5	754	601	0.061	1820	1000	R 1600
2X16	17.5	-	-	1.910	400	1000	R 1000
2X25	21.50	102	112	1.200	600	1000	R 1200
2X35	23.3	126	135	0.868	700	1000	R 1200
2X50	25.8	149	158	0.641	900	1000	R 1300
2X70	29.7	191	196	0.443	1200	1000	R 1400
2X95	33.90	234	234	0.320	1550	1000	R 1500
3X16	18.5	-	-	1.910	440	1000	R 1100
3X25	22.5	102	112	1.200	650	1000	R 1200
3X35	25	126	135	0.868	800	1000	R 1300
3X50	28.5	149	158	0.641	1100	1000	R 1400
3X70	33	191	196	0.443	1500	1000	R 1500
3X95	37	234	234	0.320	1850	1000	R 1600
3X120	41	273	268	0.253	2300	1000	R 1800
3X150	46	311	300	0.206	2900	1000	R 2000
3X185	50.5	360	342	0.164	3500	1000	R 2200
3X240	57	427	398	0.125	4450	1000	R 2400
3X300	62.5	507	457	0.100	5450	500	R 2000
3X400	71	600	529	0.078	7100	500	R 2200

YAXV / NA2XY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

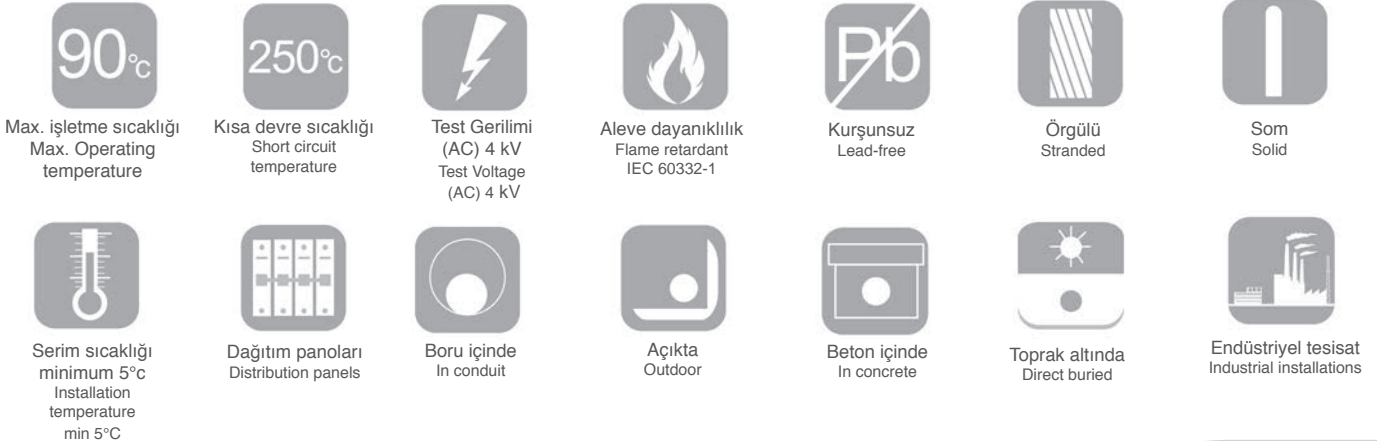
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXV / NA2XY

YAXV / NA2XY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X16+10	19.6	-	-	1.910/3.080	500	1000	R 1200
3X25+16	23.5	102	112	1.200/1.910	750	1000	R 1200
3X35+16	25.5	126	135	0.868/1.910	850	1000	R 1300
3X50+25	30	149	158	0.641/1.200	1200	1000	R 1400
3X70+35	34.5	191	196	0.443/0.868	1600	1000	R 1500
3X95+50	39	234	234	0.320/0.641	2050	1000	R 1700
3X120+70	43	273	268	0.253/0.443	2550	1000	R 1900
3X150+70	47.5	311	300	0.206/0.443	3100	1000	R 2100
3X185+95	52.5	360	342	0.164/0.320	3800	1000	R 2300
3X240+120	59	427	398	0.125/0.253	4800	500	R 1900
3X300+150	65	507	457	0.100/ 0.206	5900	500	R 2000
3X400+185	73.5	600	529	0.0778/0.164	7550	500	R 2300
4X16	21	-	-	1.91	610	1000	R 1200
4X25	24.5	102	112	1.2	800	1000	R 1200
4X35	27.5	126	135	0.868	1000	1000	R 1300
4X50	31.5	149	158	0.641	1350	1000	R 1400
4X70	36.5	191	196	0.443	1800	1000	R 1600
4X95	41	234	234	0.32	2300	1000	R 1800
4X120	46	273	268	0.253	2900	1000	R 2000
4X150	51	311	300	0.206	3550	1000	R 2200
4X185	56.5	360	342	0.164	4350	1000	R 2400
4X240	63	427	398	0.125	5550	500	R 2000
4X300	69.5	507	457	0.1	6750	500	R 2200
4X400	79.5	600	529	0.078	8900	500	R 2400
5x16	22.1	-	-	1.91	580	1000	R 1200
5x25	26.4	102	112	1.2	820	1000	R 1400
5x35	29.3	126	135	0.868	1020	1000	R 1500
5x50	33.8	149	158	0.641	1360	1000	R 1500
5x70	38.9	191	196	0.443	1830	1000	R 1800
5x95	44.3	234	234	0.32	2440	1000	R 1900
5x120	49.2	273	268	0.253	3000	1000	R 2100
5x150	54.5	311	300	0.206	3700	500	R 1800
5x185	60.6	360	342	0.164	4540	500	R 2000
5x240	68.1	427	398	0.125	5760	250	R 1600
5x300	75.2	507	457	0.1	7080	250	R 1700

NA2XH



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) HFFR Kılıf
HFFR Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

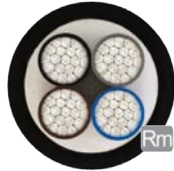
KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

NA2XH

NA2XH

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X16	21	-	-	1.91	600	1000	R 1200
4X25	24.5	102	112	1.2	770	1000	R 1200
4X35	27	126	135	0.868	920	1000	R 1300
4X50	31	149	158	0.641	1300	1000	R 1400
4X70	35.8	191	196	0.443	1700	1000	R 1600
4X95	40	234	234	0.32	2150	1000	R 1800
4X120	45.5	273	268	0.253	2700	1000	R 2000
4X150	49.5	311	300	0.206	3380	1000	R 2200
4X185	55	360	342	0.164	4050	1000	R 2400
4X240	61.5	427	398	0.125	5280	500	R 2000
4X300	68	507	457	0.1	6500	500	R 2200
4X400	78	600	529	0.078	8150	500	R 2400
5x16	21.2	-	-	1.91	530	1000	R 1200
5x25	25.7	102	112	1.2	770	1000	R 1300
5x35	28.5	126	135	0.868	970	1000	R 1500
5x50	32.9	149	158	0.641	1290	1000	R 1500
5x70	37.9	191	196	0.443	1740	1000	R 1700
5x95	43.1	234	234	0.32	2320	1000	R 1900
5x120	47.6	273	268	0.253	2820	1000	R 2100
5x150	53.1	311	300	0.206	3530	500	R 1700
5x185	59	360	342	0.164	4320	500	R 1900
5x240	66.3	427	398	0.125	5480	250	R 1600
5x300	73.1	507	457	0.1	6720	250	R 1700
3X16+10	19.5	-	-	1.910/3.080	485	1000	R 1200
3X25+16	23	102	112	1.200/1.910	730	1000	R 1200
3X35+16	25	126	135	0.868/1.910	820	1000	R 1300
3X50+25	29.5	149	158	0.641/1.200	1170	1000	R 1400
3X70+35	34	191	196	0.443/0.868	1540	1000	R 1500
3X95+50	38.5	234	234	0.320/0.641	1980	1000	R 1700
3X120+70	42	273	268	0.253/0.443	2470	1000	R 1900
3X150+70	47	311	300	0.206/0.443	2940	1000	R 2100
3X185+95	52	360	342	0.164/0.320	3650	1000	R 2300
3X240+120	57.6	427	398	0.125/0.253	4500	500	R 1900
3X300+150	62.5	507	457	0.100/ 0.206	5600	500	R 2000
3X400+185	72	600	529	0.0778/0.164	7300	500	R 2300

NA2XH



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) HFFR Dolgu
HFFR Filler
- 4) HFFR Kılıf
HFFR Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

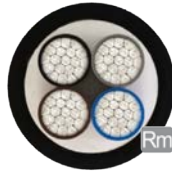
KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS HD 604 S1

USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

NA2XH

NA2XH

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1X16	8.90	-	-	1.910	93	1000	R 600
1X25	10.50	106	114	1.200	147	1000	R 700
1X35	12.00	130	136	0.868	175	1000	R 800
1X50	13.50	161	162	0.641	245	1000	R 900
1X70	15.50	204	199	0.443	290	1000	R 900
1X95	16.00	252	238	0.320	400	1000	R 1000
1X120	16.60	295	272	0.253	490	1000	R 1100
1X150	20.40	339	305	0.206	580	1000	R 1200
1X185	22.60	395	347	0.164	720	1000	R 1200
1X240	25.40	472	404	0.125	900	1000	R 1300
1X300	25.00	547	457	0.100	1090	1000	R 1300
1X400	35.20	643	525	0.078	1450	1000	R 1600
1X500	34.70	754	601	0.061	1780	1000	R 1600
2X16	17.50	-	-	1.910	395	1000	R 1000
2X25	21.30	102	112	1.200	590	1000	R 1200
2X35	23.00	126	135	0.868	675	1000	R 1200
2X50	25.20	149	158	0.641	880	1000	R 1300
2X70	29.00	191	196	0.443	1170	1000	R 1400
2X95	33.50	234	234	0.320	1500	1000	R 1500
3X16	18.50	-	-	1.910	435	1000	R 1100
3X25	22.50	102	112	1.200	640	1000	R 1200
3X35	24.70	126	135	0.868	775	1000	R 1300
3X50	28.00	149	158	0.641	1060	1000	R 1400
3X70	32.50	191	196	0.443	1460	1000	R 1500
3X95	36.00	234	234	0.320	1790	1000	R 1600
3X120	40.00	273	268	0.253	2250	1000	R 1800
3X150	45.00	311	300	0.206	2700	1000	R 2000
3X185	49.00	360	342	0.164	3350	1000	R 2200
3X240	55.50	427	398	0.125	4250	1000	R 2400
3X300	60.00	507	457	0.100	5200	500	R 2000
3X400	67.00	600	529	0.078	6800	500	R 2200

U-1000 / AR2V



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

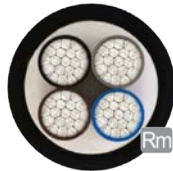
KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde, yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

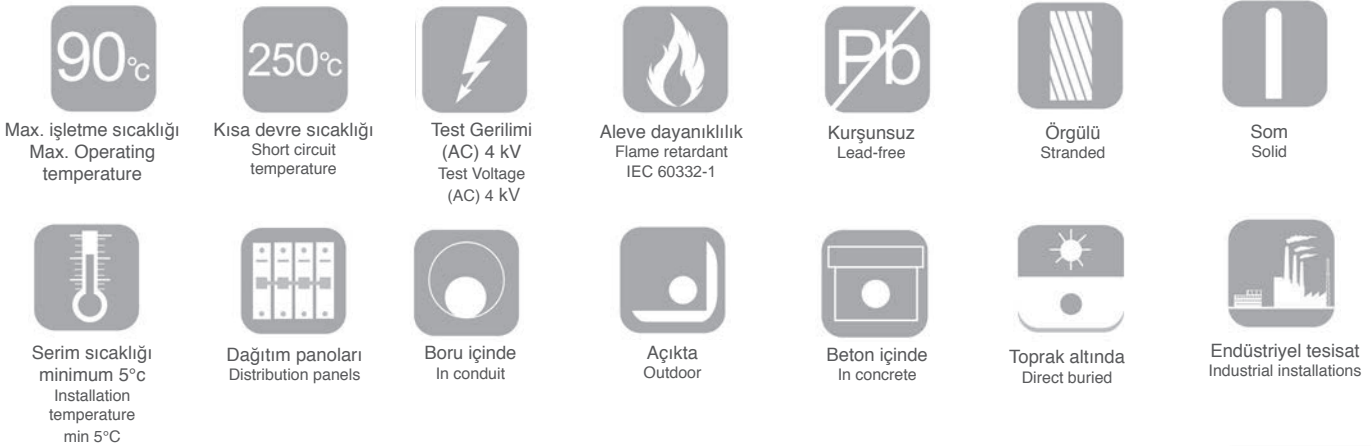
Rm : Çok Tellî Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
NFC 32-321

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected, in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



TEKNİK ÖZELLİKLER TECHNICAL DATA

U-1000 / AR2V

AR2V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

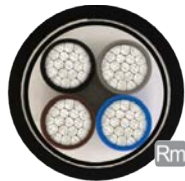
1 x 16	10.50	84	87	1.9100	102	1000	R 600
1 x 25	12.50	111	116	1.2000	140	1000	R 700
1 x 35	13.50	126	134	0.8680	170	1000	R 800
1 x 50	15.00	154	160	0.6410	215	1000	R 900
1 x 70	17.00	198	197	0.4430	300	1000	R 900
1 x 95	19.00	241	234	0.3200	390	1000	R 1000
1 x 120	21.00	280	269	0.2530	480	1000	R 1100
1 x 150	23.00	324	309	0.2060	590	1000	R 1200
1 x 185	25.50	371	355	0.1640	720	1000	R 1200
1 x 240	28.50	439	418	0.1250	885	1000	R 1300
1 x 300	31.00	508	472	0.1000	1130	1000	R 1300
1 x 400	34.50	663	512	0.0780	1502	1000	R 1600
1 x 500	38.50	770	583	0.0610	1860	1000	R 1600
2 x 16	18.50	91	104	1.9100	325	1000	R 1000
2 x 25	22.00	108	133	1.2000	540	1000	R 1200
2 x 35	24.50	135	160	0.8680	575	1000	R 1200
3 x 16	19.50	84	87	1.9100	375	1000	R 1100
3 x 25	23.50	111	116	1.2000	580	1000	R 1200
3 x 35	26.00	126	134	0.8680	710	1000	R 1300
3 x 50	29.00	149	160	0.6410	895	1000	R 1400
3 x 70	34.00	192	197	0.4430	1260	1000	R 1500
3 x 95	38.50	235	234	0.3200	1600	1000	R 1600
3 x 120	42.50	273	269	0.2530	2060	1000	R 1800
3 x 150	47.50	316	309	0.2060	2410	1000	R 2000
4 x 16	21.00	79	87	1.9100	455	1000	R 1200
4 x 25	25.50	98	116	1.2000	665	1000	R 1200
4 x 35	28.50	122	134	0.8680	815	1000	R 1300
4 x 50	32.50	149	160	0.6410	1070	1000	R 1400
4 x 70	37.50	192	197	0.4430	1550	1000	R 1600
4 x 95	42.50	235	234	0.3200	1960	1000	R 1800
4 x 120	47.50	273	269	0.2530	2550	1000	R 2000
4 x 150	52.50	316	309	0.2060	3005	1000	R 2200
4 x 185	59.00	363	355	0.1640	3890	1000	R 2400
4 x 240	66.50	430	418	0.1250	4850	500	R 2000
5 x 16	23.00	79	87	1.9100	580	1000	R 1300
5 x 25	28.00	98	111	1.2000	870	1000	R 1400
3 x 50+35	31.10	149	160	0.641/1.200	1110	1000	R 1400
3 x 70+50	36.20	192	197	0.443/0.868	1540	1000	R 1500
3 x 95+50	40.60	235	234	0.320/0.641	1730	1000	R 1700
3 x 120+70	45.40	273	269	0.253/0.443	2430	1000	R 1900
3 x 150+70	49.50	316	309	0.206/0.443	2740	1000	R 2100
3 x 185+70	54.40	341	355	0.164/0.320	3660	1000	R 2300
3 x 240+95	61.50	395	418	0.125/0.253	4130	500	R 1900

U-1000 / ARVfV



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC İç Kılıf
PVC Inner Sheath
- 5) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 6) PVC Kılıf
PVC Sheath

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
NFC 32-322

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

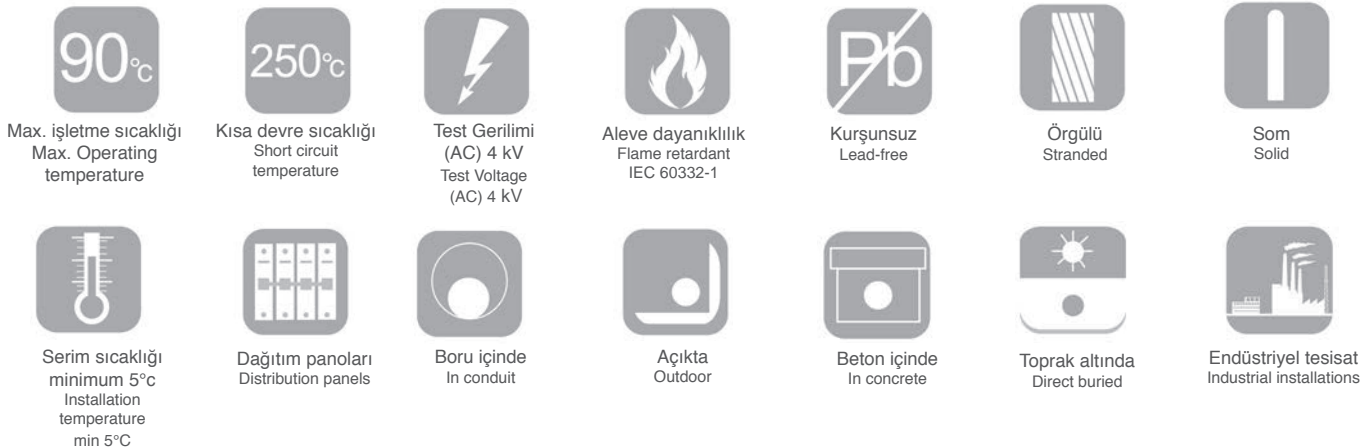
Bu kablolar, sabit tesisler için doğrudan gömülü olarak, kablo kanallarında, iç mekanlarda, açık havada veya suda bulunurlar. Mekanik hasarların beklenebileceği bir ortamda özel olarak kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

These cables are suitable for fixed installations, directly buried, in cable ducts, indoors, outdoors, or in water. They are specially used in an environment where mechanical damages could be expected.



TEKNİK ÖZELLİKLER TECHNICAL DATA

U-1000 / ARV FV

U-1000 / ARV FV

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

3 x 25	24,00	97	111	1,2000	830	1000	R 1200
3 x 35	26,00	120	134	0,8680	1030	1000	R 1300
3 x 50	30,00	146	160	0,6410	1290	1000	R 1400
3 x 70	37,50	187	197	0,4430	1710	1000	R 1500
3 x 95	43,50	227	234	0,3200	2610	1000	R 1700
3 x 120	47,50	263	266	0,2530	3110	1000	R 1800
3 x 150	53,00	301	302	0,2060	3660	1000	R 2100
4 x 16	22,00	77	87	1,9100	640	1000	R 1100
4 x 25	26,00	97	111	1,2000	890	1000	R 1300
4 x 35	28,00	120	134	0,8680	1070	1000	R 1400
4 x 50	32,00	146	160	0,6410	1480	1000	R 1500
4 x 70	39,00	187	197	0,4430	2330	1000	R 1600
4 x 95	42,00	227	234	0,3200	2930	1000	R 1900
4 x 120	47,00	263	266	0,2530	3550	1000	R 2200
4 x 150	52,00	304	300	0,2060	4250	1000	R 2300
4 x 185	55,00	347	337	0,1640	5000	1000	R 2000
4 x 240	64,00	409	338	0,1250	6300	500	R 2200
5 x 16	22,00	77	87	1,9100	820	1000	R 1400
5 x 25	29,00	97	111	1,2000	1190	1000	R 1500
3 x 50+35	32,00	146	160	0.641/1.200	1500	1000	R 1500
3 x 70+50	36,00	187	197	0.443/0.868	2000	1000	R 1600
3 x 95+50	41,00	227	234	0.320/0.641	2870	1000	R 1800
3 x 120+70	46,00	263	266	0.253/0.443	3460	1000	R 2000
3 x 150+70	50,00	304	300	0.206/0.443	3910	1000	R 2200
3 x 185+70	53,00	347	337	0.164/0.320	4890	1000	R 2400
3 x 185+95	53,00	347	337	0.164/0.253	4560	1000	R 2400
3 x 240+95	62,00	409	388	0.125/0.253	5540	500	R 2000

YAXZ2V / NA2XRY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlıklı
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Di elektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak; mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor

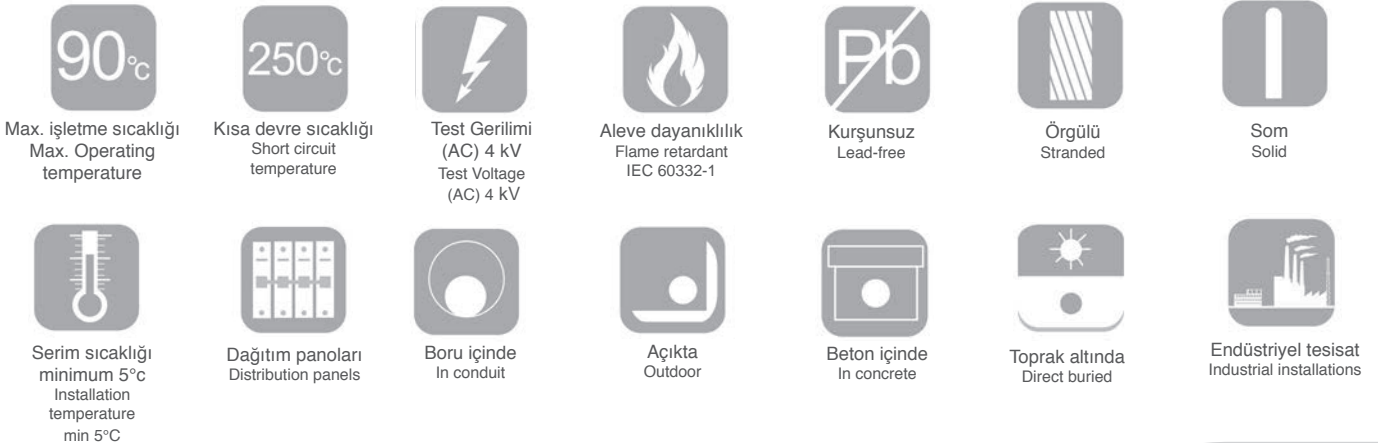


STANDARD

TS IEC 60502-1

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors underground or in cable ducts.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXZ2V / NA2XRY

YAXZ2V / NA2XRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X16	12.1	-	-	1.910	270	1000	R 800
1X25	15.50	106	114	1.200	400	1000	R 1000
1X35	17.50	130	136	0.868	600	1000	R 1000
1X50	19.50	161	162	0.641	700	1000	R 1100
1X70	21.00	204	199	0.443	850	1000	R 1100
1X95	23.50	252	238	0.320	1100	1000	R 1200
1X120	25.00	295	272	0.253	1250	1000	R 1300
1X150	27.00	339	305	0.206	1450	1000	R 1400
1X185	29.50	395	347	0.164	1650	1000	R 1400
1X240	32.00	472	404	0.125	1950	1000	R 1500
1X300	35.50	547	457	0.100	2500	1000	R 1600
1X400	39.50	643	525	0.078	3050	1000	R 1800
1X500	43	754	601	0.061	3550	1000	R 1900
3X16	20.6	-	-	1.910	810	1000	R 1100
3X25	26	102	112	1.200	1300	1000	R 1300
3X35	28.5	126	135	0.868	1550	1000	R 1400
3X50	32	149	158	0.641	1950	1000	R 1500
3X70	37.5	191	196	0.443	2750	1000	R 1700
3X95	41.5	234	234	0.320	3300	1000	R 1800
3X120	45.5	273	268	0.253	3850	1000	R 2000
3X150	51.5	311	300	0.206	5100	500	R 1700
3X185	56	360	342	0.164	5950	500	R 1800
3X240	62.5	427	398	0.125	7150	500	R 2000
3X300	68	507	457	0.100	8450	500	R 2200
3X400	76.5	600	529	0.078	10400	250	R 1900

YAXZ2V / NA2XRY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak iletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Di elektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak; mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors underground or in cable ducts.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Rijit Rigid	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXZ2V / NA2XRY

YAXZ2V / NA2XRY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

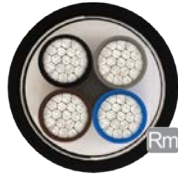
4X16	22.2	-	-	1.91	940	1000	R 1100
4X25	28	102	112	1.2	1500	1000	R 1400
4X35	31	126	135	0.868	1800	1000	R 1500
4X50	35	149	158	0.641	2300	1000	R 1600
4X70	41	191	196	0.443	3200	1000	R 1800
4X95	45.5	234	234	0.32	3850	1000	R 2000
4X120	51.5	273	268	0.253	5100	500	R 2200
4X150	56.5	311	300	0.206	6000	500	R 1800
4X185	62	360	342	0.164	7000	500	R 1900
4X240	68.5	427	398	0.125	8500	500	R 2100
4X300	75	507	457	0.1	10000	500	R 2300
4X400	86.5	600	529	0.078	13650	250	R 2100
4X185	62	360	342	0.164	7000	500	R 1900
4X240	68.5	427	398	0.125	8500	500	R 2100
4X300	75	507	457	0.1	10000	500	R 2300
4X400	86.5	600	529	0.078	13650	250	R 2100
5x16	26.8	-	-	1.91	1330	1000	R 1400
5x25	31.5	102	112	1.2	1750	1000	R 1500
5x35	35.3	126	135	0.868	2290	1000	R 1600
5x50	39.4	149	158	0.641	2780	1000	R 1800
5x70	45.8	191	196	0.443	3890	1000	R 2000
5x95	50.8	234	234	0.32	4690	500	R 1700
5x120	55.8	273	268	0.253	5530	500	R 1700
5x150	60.8	311	300	0.206	6470	500	R 2000
5x185	67	360	342	0.164	7650	250	R 1600
5x240	76.1	427	398	0.125	10170	250	R 1800
5x300	82.9	507	457	0.1	11870	250	R 1900
3X25+16	26.2	102	112	1.200/1.910	1360	1000	R 1300
3X35+16	28.6	126	135	0.868/1.910	1590	1000	R 1400
3X50+25	32.2	149	158	0.641/1.200	1950	1000	R 1500
3X70+35	37.6	191	196	0.443/0.868	2750	1000	R 1700
3X95+50	41.9	234	234	0.320/0.641	3380	1000	R 1800
3X120+70	46.3	273	268	0.253/0.443	4070	1000	R 2000
3X150+70	51.6	311	300	0.206/0.443	5180	500	R 1700
3X185+95	57	360	342	0.164/0.320	6090	500	R 1800
3X240+120	63.2	427	398	0.125/0.253	7470	500	R 2000

YAXZ3V NA2XYFGbY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Yassı Çelik Tel
Galvanized Flat Steel Wire
- 5) Galvanizli Çelik Tutucu Bant
Galvanized Steel Holder Band
- 6) PVC Dış Kılıf
PVC Outer Sheath

Rm : Çok Tellli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

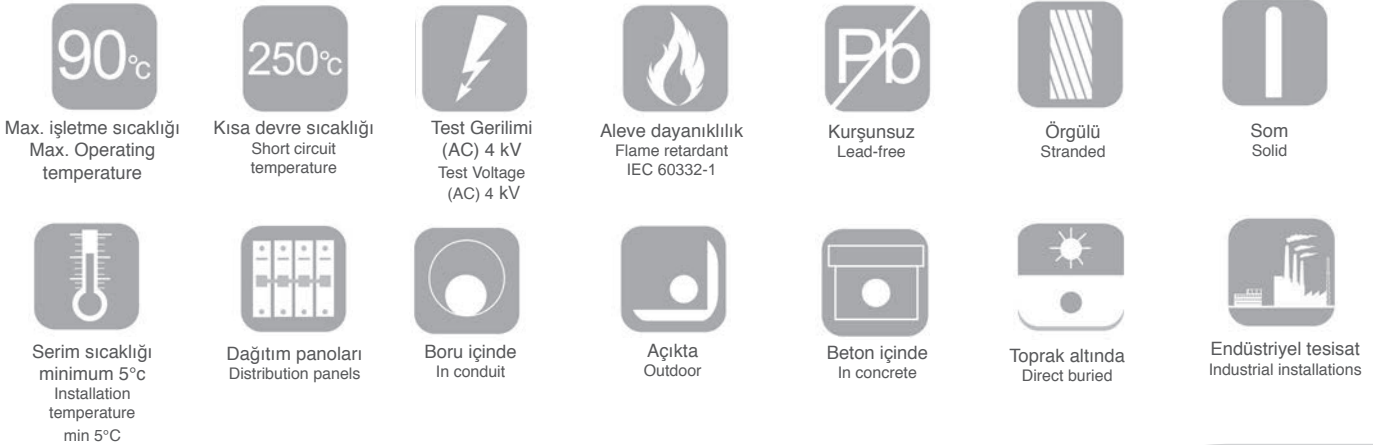
Di elektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak; mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors underground or in cable ducts.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXZ3V NA2XYFGbY

YAXZ3V / NA2XYFGbY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

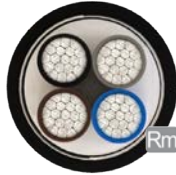
3X25	25	102	112	1.2	1250	1000	R 1300
3X35	27	126	135	0.868	1500	1000	R 1400
3X50	31	149	158	0.641	1900	1000	R 1500
3X70	35.5	191	196	0.443	2350	1000	R 1600
3X95	39.5	234	234	0.32	2950	1000	R 1800
3X120	43.5	273	268	0.253	3500	1000	R 1900
3X150	48.5	311	300	0.206	4200	1000	R 2200
3X185	53	360	342	0.164	5000	1000	R 2300
3X240	59.5	427	398	0.125	6200	500	R 1900
3X300	65	507	457	0.1	7450	500	R 2000
3X400	73.5	600	529	0.078	9500	500	R 2300
4X16	22.1	-	-	1.91	930	1000	R 1100
4X25	27	102	112	1.2	1300	1000	R 1400
4X35	29.5	126	135	0.868	1550	1000	R 1400
4X50	34	149	158	0.641	2000	1000	R 1500
4X70	39	191	196	0.443	2650	1000	R 1800
4X95	43.5	234	234	0.32	3200	1000	R 1900
4X120	48.5	273	268	0.253	3900	1000	R 2200
4X150	53.5	311	300	0.206	4700	1000	R 2400
4X185	58.5	360	342	0.164	5600	500	R 2000
4X240	65.5	427	398	0.125	6900	500	R 2100
4X300	72	507	457	0.1	8300	500	R 2200
4X400	82	600	529	0.0778	10650	250	R 2100
5x25	29.6	102	112	1.2	1510	1000	R 1500
5x35	32.6	126	135	0.868	1800	1000	R 1500
5x50	37.1	149	158	0.641	2250	1000	R 1600
5x70	42.5	191	196	0.443	2900	1000	R 1900
5x95	47.9	234	234	0.32	3670	1000	R 2100
5x120	53	273	268	0.253	4380	500	R 1700
5x150	58.5	311	300	0.206	5270	500	R 1900
5x185	64.8	360	342	0.164	6350	500	R 2100
5x240	72.4	427	398	0.125	7810	250	R 1700
5x300	79.6	507	457	0.1	9400	250	R 1800
3X25+16	26	102	112	1.200/1.910	1250	1000	R 1300
3X35+16	28	126	135	0.868/1.910	1400	1000	R 1400
3X50+25	32	149	158	0.641/1.200	1850	1000	R 1500
3X70+35	36.5	191	196	0.443/0.868	2350	1000	R 1600
3X95+50	41	234	234	0.320/0.641	2900	1000	R 1800
3X120+70	45.5	273	268	0.253/0.443	3500	1000	R 2000
3X150+70	50	311	300	0.206/0.443	4150	1000	R 2200
3X185+95	55	360	342	0.164/0.320	4950	1000	R 2400
3X240+120	61.5	427	398	0.125/0.253	6100	500	R 2000
3X300+150	67.5	507	457	0.100/ 0.206	7300	500	R 2200
3X400+185	76	600	529	0.0778/0.164	9200	500	R 2400

YAXZ4V / NA2XBY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Galvanizli Çift Çelik Bant
Galvanized Double Steel Tape
- 5) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

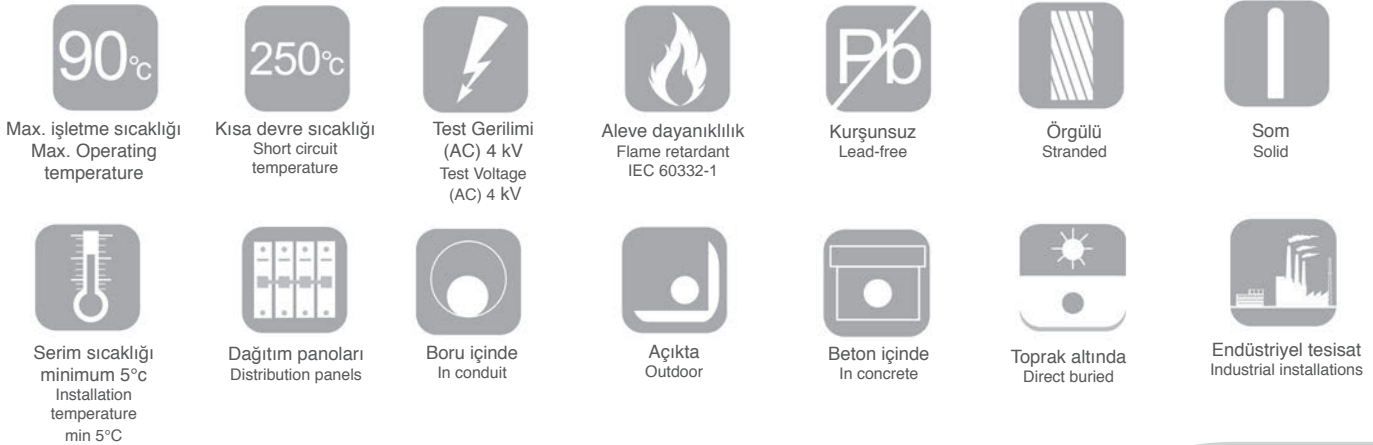
Di elektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak; mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

TECHNICAL DATA

Permissible operating temperature
Short circuit temperature
Test Voltage (AC)
Installation temperature minimum
Minimum Bending Radius

USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors underground or in cable ducts.



TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXZ4V / NA2XBY

YAXZ4V / NA2XBY

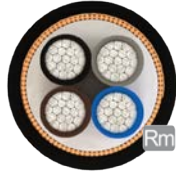
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
3X25	23.5	102	112	1.200	900	1000	R 1200
3X35	26	126	135	0.868	1100	1000	R 1300
3X50	30	149	158	0.641	1400	1000	R 1400
3X70	34.5	191	196	0.443	1850	1000	R 1500
3X95	38.5	234	234	0.320	2300	1000	R 1700
3X120	43	273	268	0.253	3100	1000	R 1800
3X150	48.5	311	300	0.206	3800	1000	R 2100
3X185	53	360	342	0.164	4500	1000	R 2300
3X240	59	427	398	0.125	5600	500	R 2000
3X300	65	507	457	0.100	6700	500	R 2100
3X400	73.5	600	529	0.078	8450	500	R 2300
3X25+16	25	102	112	1.200/1.910	1000	1000	R 1300
3X35+16	27	126	135	0.868/1.910	1150	1000	R 1400
3X50+25	31	149	158	0.641/1.200	1550	1000	R 1500
3X70+35	35.5	191	196	0.443/0.868	2000	1000	R 1600
3X95+50	41	234	234	0.320/0.641	2800	1000	R 1800
3X120+70	45.5	273	268	0.253/0.443	3400	1000	R 2000
3X150+70	49.5	311	300	0.206/0.443	4000	1000	R 2200
3X185+95	55	360	342	0.164/0.320	4850	1000	R 2400
3X240+120	61	427	398	0.125/0.253	6000	500	R 2000
3X300+150	67	507	457	0.100/ 0.206	7150	500	R 2200
3X400+185	76	600	529	0.0778/0.164	9000	500	R 2400
4X16	22	-	-	1.910	930	1000	R 1100
4X25	26	102	112	1.200	1050	1000	R 1300
4X35	28.5	126	135	0.868	1300	1000	R 1400
4X50	33	149	158	0.641	1700	1000	R 1500
4X70	38	191	196	0.443	2250	1000	R 1600
4X95	43	234	234	0.320	3100	1000	R 1900
4X120	48	273	268	0.253	3800	1000	R 2200
4X150	53	311	300	0.206	4550	1000	R 2300
4X185	58.5	360	342	0.164	5450	500	R 2000
4X240	65.5	427	398	0.125	6800	500	R 2200
4X300	72	507	457	0.100	8100	500	R 2300
4X400	82	600	529	0.0778	10450	250	R 2100

YAXCV / NA2XCY



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Konsantrik Bakır İletken
Concentric Copper Conductors
- 5) Bakır Bant
Copper Tape
- 6) PVC Kılıf
PVC Sheath

Rm : Çok Telli Yuvarlak İletken
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD

KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD

USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

YAXCV / NA2XCY

YAXCV / NA2XCY

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X25/16	15.50	112	116	1.200/1.150	400	1000	R 1000
1X35/16	16.50	137	138	0.868/1.150	450	1000	R 1000
1X50/25	18.50	169	164	0.641/0.727	600	1000	R 1100
1X70/35	21.00	214	201	0.443/0.524	750	1000	R 1100
1X95/50	23.00	263	240	0.320/0.387	1000	1000	R 1200
1X120/70	25.00	308	272	0.253/0.268	1300	1000	R 1300
1X150/70	27.00	349	303	0.206/0.268	1400	1000	R 1400
1X185/95	29.50	401	340	0.164/0.198	1800	1000	R 1400
1X240/120	33.00	469	387	0.125/0.153	2200	1000	R 1500
3X25/16	24.00	104	113	1.200/1.150	800	1000	R 1300
3X35/16	26.50	128	136	0.868/1.150	1000	1000	R 1400
3X50/25	30.50	152	159	0.641/0.727	1350	1000	R 1500
3X70/35	35.00	194	197	0.443/0.524	1850	1000	R 1600
3X95/50	39.50	239	236	0.320/0.387	2350	1000	R 1800
3X120/70	43.00	278	269	0.253/0.268	2950	1000	R 1900
3X150/70	48.50	316	302	0.206/0.268	3600	1000	R 2100
3X185/95	53.00	365	342	0.164/0.198	4450	1000	R 2300
3X240/120	59.50	430	397	0.125/0.153	5600	1000	R 2000
3X300/150	65.50	506	454	0.100/0.124	6850	500	R 2100
3X400/185	74.50	575	520	0.0778/0.0991	8850	500	R 2300



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONLOGY)



YAPILAN TEK BİR HAFTA
BOYU HUZURUMUZU KAÇIRIR

قد تتركه قد يسبب لك المتاعب طيلة

0.6 / 1 KV XLPE İZOLELİ ALÜMİNYUM SEKTÖR
KESİTLİ GÜÇ KABLOLARI
0.6 / 1 KV XLPE INSULATED ALUMINIUM SECTOR
SHAPED CONDUCTOR POWER CABLES
228 - 231



YAXV / NA2XY (SM)



- 1) Sektör Kesitli Alüminyum İletken
Stranded Sector Shaped Aluminium
Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Alüminyum İletken
SM : Multi Wire Sectoral Aluminium Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

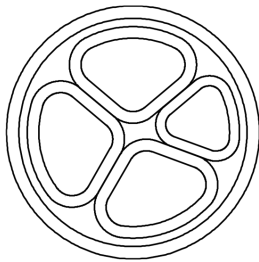
 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Sektör kesit Sector
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

TEKNİK ÖZELLİKLER TECHNICAL DATA

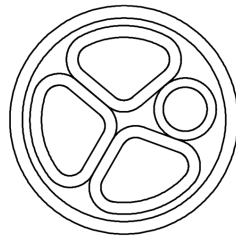
YAXV / NA2XY (SM)

YAXV / NA2XY (SM)

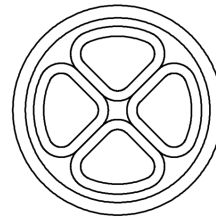
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50	22.75	149	158	0.641	646	1000	R 1200
3X70	26.15	191	196	0.443	868	1000	R 1300
3X95	28.65	234	234	0.320	1114	1000	R 1400
3X120	31.75	273	268	0.253	1377	1000	R 1500
3X150	35.55	311	300	0.206	1693	1000	R 1600
3X185	39.45	360	342	0.164	2094	1000	R 1800
3X240	44.25	427	398	0.125	2683	1000	R 2000
3X50+25	26.15	149	158	0.641/1.200	738	1000	R 1300
3X70+35	27.85	191	196	0.443/0.868	979	1000	R 1400
3X95+50	31.65	234	234	0.320/0.641	1307	1000	R 1500
3X120+70	37.35	273	268	0.253/0.443	1671	1000	R 1600
3X150+70	39.55	311	300	0.206/0.443	1972	1000	R 1800
3X185+95	43.75	360	342	0.164/0.320	2454	1000	R 1900
3X240+120	49.15	427	398	0.125/0.253	3137	1000	R 2200
4X50	25.05	149	158	0.641	800	1000	R 1300
4X70	29.15	191	196	0.443	1095	1000	R 1500
4X95	33.05	234	234	0.320	1462	1000	R 1600
4X120	36.65	273	268	0.253	1807	1000	R 1800
4X150	40.65	311	300	0.206	2217	1000	R 1900
4X185	45.25	360	342	0.164	2751	1000	R 2100
4X240	50.45	427	398	0.125	3514	300	R 1600



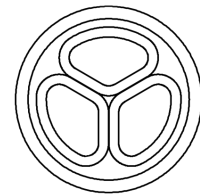
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$$\alpha = 90^\circ$$



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YAXZ2V NA2XRY (SM)



- 1) Sektör Kesitli Alüminyum İletken
Stranded Sector Shaped Aluminium
Conductor
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) Yuvarlak Çelik Zırlı Teli
Steel Wire Armour (SWA)
- 5) PVC Kılıf
PVC Sheath

SM : Sektör Kesitli Çoklu Alüminyum İletken
SM : Multi Wire Sectoral Aluminium Conductor



STANDARD

VDE 0276-603

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

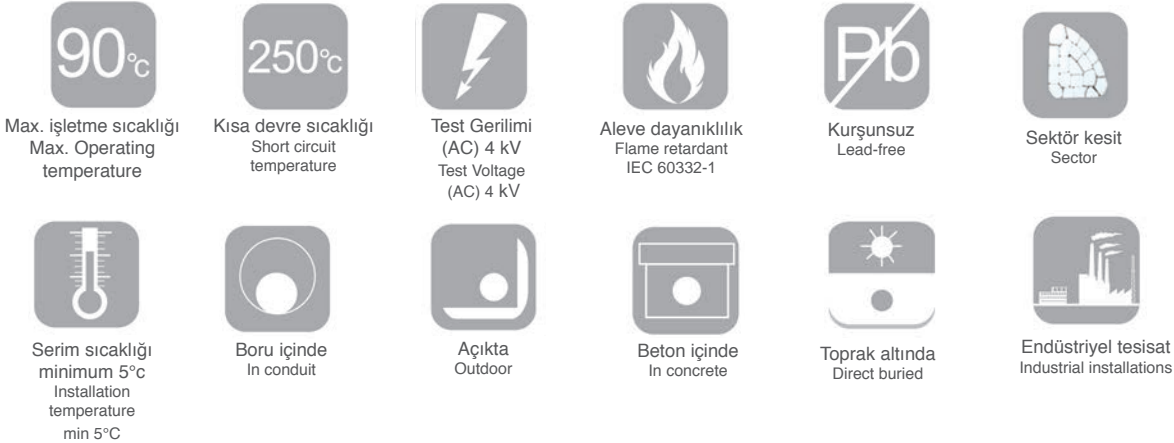
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

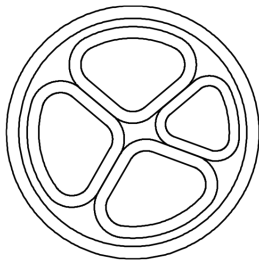


TEKNİK ÖZELLİKLER TECHNICAL DATA

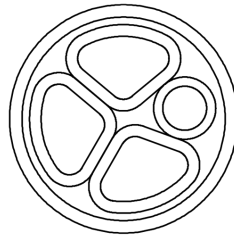
YAXZ2V NA2XRY (SM)

YAXZ2V / NA2XRY (SM)

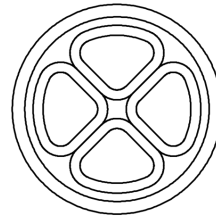
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm ²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50	28.5	149	158	0.641	1380	1000	R 1400
3X70	32.2	191	196	0.443	1750	1000	R 1500
3X95	37	234	234	0.320	2420	1000	R 1600
3X120	40.4	273	268	0.253	2820	1000	R 1800
3X150	45.5	311	300	0.206	3660	1000	R 2000
3X185	49.8	360	342	0.164	4350	1000	R 2200
3X240	55.1	427	398	0.125	5220	300	R 1500
3X50+25	31.2	149	158	0.641/1.200	1830	1000	R 1500
3X70+35	36.6	191	196	0.443/0.868	2420	1000	R 1600
3X95+50	41	234	234	0.320/0.641	2860	1000	R 1800
3X120+70	45.3	273	268	0.253/0.443	3470	1000	R 2000
3X150+70	50	311	300	0.206/0.443	4480	1000	R 2200
3X185+95	55.3	360	342	0.164/0.320	5310	300	R 1500
3X240+120	61.1	427	398	0.125/0.253	6510	300	R 1600
4X50	32	149	158	0.641	1720	1000	R 1500
4X70	37.7	191	196	0.443	2520	1000	R 1600
4X95	41.7	234	234	0.320	3040	1000	R 1800
4X120	47.1	273	268	0.253	4010	1000	R 2100
4X150	51.4	311	300	0.206	4580	300	R 1500
4X185	56.6	360	342	0.164	5490	300	R 1600
4X240	63	427	398	0.125	6710	250	R 1600



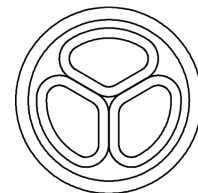
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$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





ALÜMİNYUM İLETKENLİ ASKI TELLİ HAVAI HAT KABLOLARI
ALUMINIUM INSULATED AERIAL BUNDLE CONDUCTOR POWER CABLES
234 - 239



0.6 / 1 kV XLPE İzoleli Alüminyum İletkenli Askı Telli Enerji Kabloları 0.6 / 1 kV XLPE Insulated Aerial Bundle Conductor Power Cable

ABC



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) Askı Teli
Hanger Wire

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Kırsal ve ağaçlık alanlarda köy elektrik sistemlerinde kullanılır. Çıplak hava-i hat iletkenlerine göre kısa devre ve yanlışlıkla dokunularak çarpılmaya karşı daha güvenlidir.

TECHNICAL DATA

Permissible operating temperature	: 90°C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used at electrical systems of villages at rural areas and woodlands. It is safer than bare transmission lines. against short circuit and accidentally touch.

90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Açıkta
Outdoor



Havai Hat
Aerial

TEKNİK ÖZELLİKLER TECHNICAL DATA

ABC

HD 626

İLETKENLERİN SAYISI VE ANMA KESİT ALANI	YALITILMIŞ İLETKENLER							ASKI TELİ			KABLO	
	INSULATED CONDUCTORS							WIRE HANGER			CABLE	
	Sayı ve Kesit Alanı	Tel Sayısı	Ortalama Çap	İletken DC Direnci (20°C)	Akım Taşıma Kapasitesi	Sayı ve Kesit Alanı	Akım Taşıma Kapasitesi	Askı Teli Ortalama Çap	Kopma Yüğü	İletken DC Direnci (20°C)	Bükülü Çap	Yaklaşık Net Ağırlık
NUMBER AND REMEMBRANCE SECTIONAL AREA OF THE CONDUCTOR	Number and Cross Section	No of Wires	Nominal Diameter of Conductor	Conductor DC Resistance at 20°C	Current Carrying Capacity	Number and cross section	Current Carrying Capacity	Average Diameter Wire Hangers	Tensile Strength	Conductor DC Resistance at 20°C	Twisted Diameter	Net Weight (Approx)
mm ²	mm ²	Adet	mm	ohm/km	A	mm ²	A	mm	kN	ohm/km	mm	kg/km

2 x 16	2X16	7	4.7	1.91	93	-	-	-	-	-	15	130
2 x 25	2X25	7	5.9	1.2	122	-	-	-	-	-	18.5	180
2 x 35	2X35	7	6.9	0.868	129	-	-	-	-	-	2	240
2 x 50	2X50	7	8.1	0.641	158	-	-	-	-	-	24	320
2 x 70	2X70	14	9.7	0.443	203	-	-	-	-	-	26	450
3 x 16	3X16	7	4.7	1.91	83	-	-	-	-	-	16	190
3 x 25	3X25	7	5.9	1.2	111	-	-	-	-	-	20	280
3 x 35	3X35	7	6.9	0.868	131	-	-	-	-	-	22	360
3 x 50	3X50	7	8.1	0.641	168	-	-	-	-	-	24	490
3 x 70	3X70	14	9.7	0.443	213	-	-	-	-	-	28	670
3 x 95	3X95	19	11.4	0.32	258	-	-	-	-	-	32	940
3 x 120	3X120	19	12.928	0.253	300	-	-	-	-	-	36	1150
3 x 150	3X150	14	14.241	0.206	344	-	-	-	-	-	38	1390
4 x 16	4X16	7	4.7	1.91	83	-	-	-	-	-	18	260
4 x 25	4X25	7	5.9	1.2	111	-	-	-	-	-	22	370
4 x 35	4X35	7	6.9	0.868	131	-	-	-	-	-	26	480
4 x 50	4X50	7	8.1	0.641	168	-	-	-	-	-	28	650
4 x 70	4X70	14	9.7	0.443	213	-	-	-	-	-	32	900
4 x 95	4X95	19	11.4	0.32	258	-	-	-	-	-	36	1250
4 x 120	4X120	19	12.928	0.253	300	-	-	-	-	-	40	1530
4 x 150	4X150	30	14.241	0.206	344	-	-	-	-	-	44	1850
3 x 16 + 10	3X16	7	4.7	1.91	103	-	-	6.6	-	-	26	240
3 x 25 + 16	3X25	7	5.9	1.2	132	-	-	7.8	-	-	28	350
3 x 35 + 16	3X35	7	6.9	0.868	139	-	-	7.8	-	-	31	430
3 x 35 + 25	3X35	7	6.9	0.868	139	-	-	8.6	7.4	1.38	31	460
3 x 50 + 25	3X50	7	8.1	0.641	168	-	-	8.6	7.4	1.38	34	580
3 x 70 + 25	3X70	14	9.7	0.443	213	-	-	8.6	7.4	1.38	38	770
3 x 70 + 35	3X70	14	9.7	0.443	213	-	-	9.6	10.3	0.986	38	800
3 x 95 + 50	3X95	19	11.4	0.32	258	-	-	11.3	14.2	0.72	42	1110
3 x 120 + 70	3X120	19	12.928	0.253	300	-	-	12.9	20.6	0.493	46	1380
3 x 150 + 70	3X150	30	14.241	0.206	344	-	-	12.9	20.6	0.493	48	1630
3 x 25 + 16 + 16	3X25	7	5.9	1.2	132	1X16	60	7.8	-	-	28	410
3 x 35 + 16 + 16	3X35	7	6.9	0.868	139	1X16	60	7.8	-	-	31	490
3 x 35 + 25 + 16	3X35	7	6.9	0.868	139	1X16	60	8.6	7.4	1.38	32	520
3 x 50 + 25 + 16	3X50	7	8.1	0.641	168	1X16	60	8.6	7.4	1.38	34	650
3 x 50 + 35 + 16	3X50	7	8.1	0.641	168	1X16	60	9.6	10.3	0.986	35	680
3 x 70 + 25 + 16	3X70	14	9.7	0.443	213	1X16	60	8.6	7.4	1.38	36	830
3 x 70 + 35 + 16	3X70	14	9.7	0.443	213	1X16	60	9.6	10.3	0.986	37	860
3 x 70 + 50 + 16	3X70	14	9.7	0.443	213	1X16	60	11.3	14.2	0.72	40	910
3 x 95 + 35 + 16	3X95	19	11.4	0.32	258	1X16	60	9.6	10.3	0.986	42	1130
3 x 95 + 50 + 16	3X95	19	11.4	0.32	258	1X16	60	11.3	14.2	0.72	44	1170
3 x 95 + 70 + 16	3X95	19	11.4	0.32	258	1X16	60	12.9	20.6	0.493	46	1240
3 x 120 + 70 + 16	3X120	19	12.928	0.253	300	1X16	60	12.9	20.6	0.493	47	1440
3 x 150 + 70 + 16	3X150	30	14.241	0.206	344	1X16	60	12.9	20.6	0.493	49	1690



0.6 / 1 kV XLPE İzoleli Alüminyum İletkenli Askı Telli Enerji Kabloları 0.6 / 1 kV XLPE Insulated Aerial Bundle Conductor Power Cable

ABC



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) XLPE izole
XLPE Insulation
- 3) Askı Teli
Hanger Wire

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Kırsal ve ağaçlık alanlarda köy elektrik sistemlerinde kullanılır. Çıplak hava-i hat iletkenlerine göre kısa devre ve yanlışlıkla dokunularak çarpmaya karşı daha güvenlidir.

TECHNICAL DATA

Permissible operating temperature	: 90°C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used at electrical systems of villages at rural areas and woodlands. It is safer than bare transmission lines. against short circuit and accidentally touch.



90°C

Max. işletme sıcaklığı
Max. Operating temperature

250°C

Kısa devre sıcaklığı
Short circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Serim sıcaklığı
minimum 5°C
Installation temperature
minimum 5°C



Açıkta
Outdoor



Havai Hat
Aerial

TEKNİK ÖZELLİKLER

TECHNICAL DATA

ABC

NFC-33-209

İLETKENLERİN SAYISI VE ANMA KEŞİT ALANI	YALITILMIŞ İLETKENLER							ASKI TELİ			KABLO	
	INSULATED CONDUCTORS							WIRE HANGER			CABLE	
	Sayı ve Kesit Alanı	Tel Sayısı	Ortalama Çap	İletken DC Direnci (20°C)	Akım Taşıma Kapasitesi	Sayı ve Kesit Alanı	Akım Taşıma Kapasitesi	Askı Teli Ortalama Çap	Kopma Yüğü	İletken DC Direnci (20°C)	Bükülü Çap	Yaklaşık Net Ağırlık
mm ²	mm ²	Adet	mm	ohm/km	A	mm ²	A	mm	kN	ohm/km	mm	kg/km
NUMBER AND REMEMBRANCE SECTIONAL AREA OF THE CONDUCTOR	Number and Cross Section	No of Wires	Nominal Diameter of Conductor	Conductor DC Resistance at 20°C	Current Carrying Capacity	Number and cross section	Current Carrying Capacity	Average Diameter Wire Hangers	Tensile Strength	Conductor DC Resistance at 20°C	Twisted Diameter	Net Weight (Approx)
2 x 16	2X16	7	4.7	1.91	93	-	-	-	-	-	15	120
2 x 25	2X25	7	5.9	1.2	122	-	-	-	-	-	18.5	190
2 x 35	2X35	7	6.9	0.868	129	-	-	-	-	-	2	250
2 x 50	2X50	7	8.1	0.641	158	-	-	-	-	-	24	330
4 x 16	4X16	7	4.7	1.91	83	-	-	-	-	-	18	250
4 x 25	4X25	7	5.9	1.2	111	-	-	-	-	-	22	380
4 x 35	4X35	7	6.9	0.868	131	-	-	-	-	-	26	510
4 x 50	4X50	7	8.1	0.641	168	-	-	-	-	-	28	660
4 x 70	4X70	12	9.7	0.443	213	-	-	-	-	-	32	940
4 x 95	4X95	19	11.4	0.32	258	-	-	-	-	-	36	1270
4 x 120	4X120	19	12.8	0.253	300	-	-	-	-	-	40	1550
3 x 25 + 54.6	3X25	7	5.9	1.2	111	-	-	12.8	16.6	0.63	30	490
3 x 35 + 54.6	3X35	7	6.9	0.868	131	-	-	12.8	16.6	0.63	33	590
3 x 50 + 54.6	3X50	7	8.1	0.641	168	-	-	12.8	16.6	0.63	36	700
3 x 70 + 54.6	3X70	12	9.7	0.443	213	-	-	12.8	16.6	0.63	38	910
3 x 70 + 70	3X70	12	9.7	0.443	213	-	-	13.3	20.6	0.493	41	970
3 x 95 + 54.6	3X95	19	11.4	0.32	258	-	-	12.8	16.6	0.63	44	1160
3 x 95 + 70	3X95	19	11.4	0.32	258	-	-	13.3	20.6	0.493	44	1210
3 x 120 + 70	3X120	19	12.928	0.253	300	-	-	13.3	20.6	0.493	46	1420
3 x 150 + 95	3X150	30	14.241	0.206	344	-	-	16	27.9	0.363	48	1730
3 x 25 + 54.6 + 16	3X25	7	5.9	1.2	111	1X16	60	12.8	16.6	0.63	30	550
3 x 35 + 54.6 + 16	3X35	7	6.9	0.868	131	1X16	60	12.8	16.6	0.63	33	650
3 x 50 + 54.6 + 16	3X50	7	8.1	0.641	168	1X16	60	12.8	16.6	0.63	36	760
3 x 50 + 54.6 + 25	3X50	7	8.1	0.641	168	1X25	-	12.8	16.6	0.63	37	800
3 x 70 + 54.6 + 16	3X70	12	9.7	0.443	213	1X16	60	12.8	16.6	0.63	38	970
3 x 70 + 54.6 + 25	3X70	12	9.7	0.443	213	1X25	-	12.8	16.6	0.63	39	1010
3 x 70 + 70 + 16	3X70	12	9.7	0.443	213	1X16	60	13.3	20.6	0.493	41	1030
3 x 70 + 70 + 25	3X70	12	9.7	0.443	213	1X25	-	13.3	20.6	0.493	42	1060
3 x 95 + 54.6 + 16	3X95	19	11.4	0.32	258	1X16	60	12.8	16.6	0.63	44	1220
3 x 95 + 54.6 + 25	3X95	19	11.4	0.32	258	1X25	-	12.8	16.6	0.63	45	1250
3 x 95 + 70 + 16	3X95	19	11.4	0.32	258	1X16	60	13.3	20.6	0.493	44	1280
3 x 95 + 70 + 25	3X95	19	11.4	0.32	258	1X25	-	13.3	20.6	0.493	45	1310
3 x 120 + 70 + 16	3X120	19	12.928	0.253	300	1X16	60	13.3	20.6	0.493	46	1480
3 x 120 + 70 + 25	3X120	19	12.928	0.253	300	1X25	-	13.3	20.6	0.493	47	1520
3 x 120 + 95 + 25	3X120	19	12.928	0.253	300	1X25	-	16	27.9	0.363	48	1600
3 x 150 + 95 + 16	3X150	30	14.241	0.206	344	1X16	60	16	27.9	0.363	49	1800
3 x 150 + 95 + 25	3X150	30	14.241	0.206	344	1X25	-	16	27.9	0.363	50	1830
3 x 25 + 54.6 + 2x 16	3X25	7	5.9	1.2	111	2X16	-	12.8	16.6	0.63	30	610
3 x 35 + 54.6 + 2x 16	3X35	7	6.9	0.868	131	2X16	-	12.8	16.6	0.63	33	710
3 x 50 + 54.6 + 2x 16	3X50	7	8.1	0.641	168	2X16	-	12.8	16.6	0.63	36	830
3 x 50 + 54.6 + 2x 25	3X50	7	8.1	0.641	168	2X25	-	12.8	16.6	0.63	37	890
3 x 70 + 54.6 + 2x 16	3X70	12	9.7	0.443	213	2X16	-	12.8	16.6	0.63	38	1040
3 x 70 + 54.6 + 2x 25	3X70	12	9.7	0.443	213	2X25	-	12.8	16.6	0.63	40	1100
3 x 70 + 70 + 2x 16	3X70	12	9.7	0.443	213	2X16	-	13.3	20.6	0.493	41	1090
3 x 70 + 70 + 2x 25	3X70	12	9.7	0.443	213	2X25	-	13.3	20.6	0.493	43	1160
3 x 95 + 54.6 + 2x 16	3X95	19	11.4	0.32	258	2X16	-	12.8	16.6	0.63	40	1280
3 x 95 + 54.6 + 2x 25	3X95	19	11.4	0.32	258	2X25	-	12.8	16.6	0.63	42	1350
3 x 95 + 70 + 2x 16	3X95	19	11.4	0.32	258	2X16	-	13.3	20.6	0.493	44	1340
3 x 95 + 70 + 2x 25	3X95	19	11.4	0.32	258	2X25	-	13.3	20.6	0.493	46	1400
3 x 120 + 70 + 2x 16	3X120	19	12.928	0.253	300	2X16	-	13.3	20.6	0.493	46	1550
3 x 120 + 70 + 2x 25	3X120	19	12.928	0.253	300	2X25	-	13.3	20.6	0.493	48	1610
3 x 150 + 95 + 2x 16	3X150	30	14.241	0.206	344	2X16	-	16	27.9	0.363	48	1860
3 x 150 + 95 + 2x 25	3X150	30	14.241	0.206	344	2X25	-	16	27.9	0.363	50	1930



0.6 / 1 kV PE / XLPE İzoleli Alüminyum İletkenli Askı Telli Enerji Kabloları 0.6 / 1 kV PE / XLPE Insulated Aerial Bundle Conductor Power Cable

AER



- 1) Örgülü Alüminyum İletken
Stranded Aluminium Conductor
- 2) PE izole
PE Insulation
- 3) Askı Teli
Hanger Wire

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2500 Volt
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD

KULLANIM ALANLARI

Kırsal ve ağaçlık alanlarda köy elektrik sistemlerinde kullanılır. Çıplak hava-i hat iletkenlerine göre kısa devre ve yanlışlıkla dokunularak çarpılmaya karşı daha güvenlidir.

TECHNICAL DATA

Permissible operating temperature	: 90°C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2500 Volt
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD

USAGE AREAS

It is used at electrical systems of villages at rural areas and woodlands. It is safer than bare transmission lines. against short circuit and accidentally touch.



STANDARD

TS 11654

90°C

Max. işletme sıcaklığı
Max. Operating
temperature

250°C

Kısa devre sıcaklığı
Short circuit
temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Serim sıcaklığı
minimum 5°C
Installation
temperature
min 5°C



Açıkta
Outdoor



Havai Hat
Aerial

TEKNİK ÖZELLİKLER TECHNICAL DATA

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İLETKENLERİN SAYISI VE ANMA KESİT ALANI	YALITILMIŞ İLETKENLER							ASKI TELİ			KABLO	
	INSULATED CONDUCTORS							WIRE HANGER			CABLE	
	Sayı ve Kesit Alanı	Tel Sayısı	Ortalama Çap	İletken DC Direnci (20°C)	Akım Taşıma Kapasitesi	Sayı ve Kesit Alanı	Akım Taşıma Kapasitesi	Aski Teli Ortalama Çap	Kopma Yüğü	İletken DC Direnci (20°C)	Bükülü Çap	Yaklaşık Net Ağırlık
NUMBER AND REMEMBRANCE SECTIONAL AREA OF THE CONDUCTOR	Number and Cross Section	No of Wires	Nominal Diameter of Conductor	Conductor DC Resistance at 20°C	Current Carrying Capacity	Number and cross section	Current Carrying Capacity	Average Diameter Wire Hangers	Tensile Strength	Conductor DC Resistance at 20°C	Twisted Diameter	Net Weight (Approx)
mm ²	mm ²	Adet	mm	ohm/km	A	mm ²	A	mm	kN	ohm/km	mm	kg/km

1X16+25	1X16	1	4.4	1.91	75	-	-	5.9	7.4	1.38	15	140
1X25+35	1X25	7	5.9	1.20	10	-	-	6.9	10.3	0.986	17	200
1X35+50	1X35	7	6.9	0.868	125	-	-	8.1	14.2	0.720	20	275
3X16+25	3X16	1	4.4	1.91	70	-	-	5.9	7.4	1.38	22	275
3X25+35	3X25	7	5.9	1.20	90	-	-	6.9	10.3	0.986	26	400
3X35+50	3X35	7	6.9	0.868	115	-	-	8.1	14.2	0.720	30	575
3X50+70	3X50	7	8.1	0.641	140	-	-	9.6	20.6	0.493	35	750
3X70+95	3X70	7	9.6	0.443	180	-	-	11.4	27.9	0.363	41	1050
3X120+95	3X120	19	12.8	0.253	250	-	-	11.4	27.9	0.363	47	1550
4X16+25	4X16	1	4.4	1.91	70	-	-	5.9	7.4	1.38	24	375
4X25+35	4X25	7	5.9	1.20	90	-	-	6.9	10.3	0.986	28	550
4X35+50	4X35	7	6.9	0.868	115	-	-	8.1	14.2	0.720	32	750
4X50+70	4X50	7	8.1	0.641	140	-	-	9.6	20.6	0.493	38	1000
4X70+95	4X70	7	9.6	0.443	180	-	-	11.4	27.9	0.363	45	1350
1X16+1X16+25	1X16	1	4.4	1.91	70	1X16	60	5.9	7.4	1.38	15	225
3X16+1X16+25	3X16	1	4.4	1.91	60	1X16	60	5.9	7.1	1.38	22	350
3X25+1X16+35	3X25	7	5.9	1.20	80	1X16	60	6.9	10.3	0.986	26	475
3X35+1X16+50	3X35	7	6.9	0.868	95	1X16	60	8X1	14.2	0.720	30	625
3X50+1X16+70	3X50	7	8.1	0.641	120	1X16	60	9.6	20.6	0.493	35	800
3X70+1X16+95	3X70	7	9.6	0.443	150	1X16	60	11.4	27.9	0.363	41	1100
4X16+1X16+25	4X16	1	4.4	1.91	60	1X16	60	5.9	7.4	1.38	25	450
4X25+1X16+35	4X25	7	5.9	1.20	80	1X16	60	6.9	10.3	0.986	30	610
4X35+1X16+50	4X35	7	6.9	0.868	95	1X16	60	8.1	14.2	0.720	34	810
4X50+1X16+70	4X50	7	8.1	0.641	120	1X16	60	9.63	20.6	0.493	40	1060
4X70+1X16+95	4X70	7	9.6	0.443	150	1X16	60	11.4	27.9	0.363	47	1420





EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)

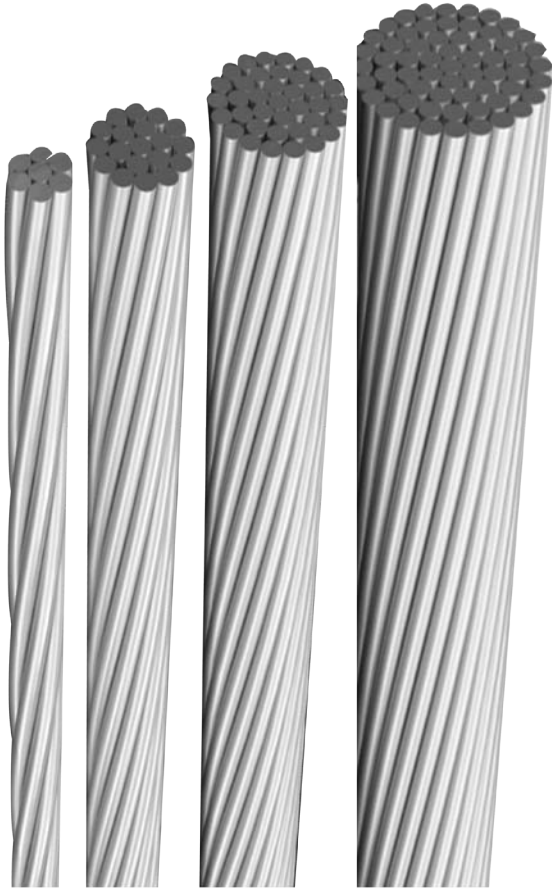




ALÜMİNYUM İLETKENLER
ALUMINIUM CONDUCTORS
242- 257



AAC

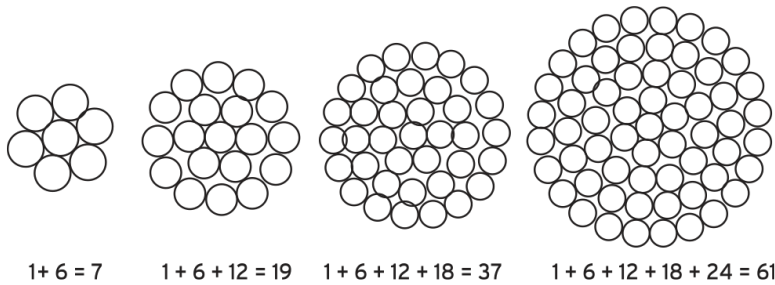


TEKNİK BİLGİLER

Alçak gerilim dağıtım hatlarında kullanılan Tam Alüminyum İletkenler TS EN 50182 Standartlarına uygun olarak imal edilirler. İletkenler 7 veya daha fazla telde eş merkez tabakalı olarak örülürler. Eğer iletken birden fazla tabakadan oluşuyorsa bitişik tabakalar birbirine ters adım yönünde örülür. İstenildiğinde DIN. BS. ASTM. CSA. NF. EN standartlarına uygun üretim yapılabilir. İletkenler genel olarak standart ağaç makaralar üzerinde teslim edilir.

TECHNICAL DATA

Pure Aluminium Conductors, which are used in low voltage distribution lines are produced in accordance with TS EN 50182 standards. Conductors are stranded with seven or more wires as concentrically. If conductors consist of more than one layer, then they are stranded in reverse direction to each other. Upon request, conductors can be produced in accordance with DIN. BS. ASTM. CSA. NF. EN standards. Conductors are generally delivered on wooden drums.



TEKNİK ÖZELLİKLER TECHNICAL DATA

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Kod	Tel Sayısı ve Tel Çapı	Dış Çap	Kesit Alanı	Net Ağırlık (Yaklaşık)	Kopma Yükü	D.A. Direnci	Akım Taşıma Kapasitesi
Code	Number and Wire Diameter	Overall Diameter	Cross Section	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
-	mm	mm	mm ²	kg / km	kN	Ohm / km	A
Rose	7/1.96	5.88	21.10	58.2	3.91	1.3620	138
Iris	7/2.47	7.41	33.60	92.6	5.99	0.8574	185
Pansy	7/2.78	8.34	42.40	116.6	7.30	0.6801	214
Poppy	7/3.12	9.36	53.50	147.2	8.84	0.5390	247
Aster	7/3.50	10.50	67.40	185.7	11.10	0.4276	286
Phlox	7/3.93	11.79	85.00	233.9	13.50	0.3390	331
Oxlip	7/4.42	13.26	107.20	295.2	17.00	0.2688	383
Valerian	19/2.91	14.55	126.70	348.6	20.70	0.2275	425
Sneezewort	7/4.80	14.40	126.70	348.8	20.10	0.2275	425
Laurel	19/3.10	15.05	135.20	372.2	22.10	0.2133	443
Daisy	7/4.96	14.88	135.20	372.3	21.40	0.2133	443
Peony	19/3.19	15.95	152.00	418.3	24.30	0.1896	478
Tulip	19/3.38	16.90	170.50	469.5	27.30	0.1695	513
Daffodil	19/3.45	17.25	177.30	487.9	28.40	0.1625	526
Canna	19/3.67	18.35	201.40	554.9	31.60	0.1432	570
Goldentuft	19/3.91	19.55	228.00	627.6	35.00	0.1264	616
Syringa	37/2.88	20.16	242.00	664.8	38.60	0.1193	639
Cosmos	19/4.02	20.10	242.00	664.8	37.00	0.1193	639
Hyacinth	37/2.95	20.65	253.30	696.8	40.50	0.1137	658
Zinnia	19/4.12	20.60	253.30	697.1	38.90	0.1137	658
Dahlia	19/4.35	21.75	282.00	775.8	43.30	0.1023	703
Mistletoe	37/3.12	21.84	282.00	775.7	44.30	0.1023	704
Meadowsweet	37/3.23	22.61	304.00	836.3	47.50	0.0948	738
Orchid	37/3.33	23.31	323.30	886.9	50.40	0.0893	765
Heuchera	37/3.37	23.59	329.40	907.4	51.70	0.0875	775
Flag	61/2.72	24.48	354.70	975.8	57.10	0.0813	812
Varbena	37/3.49	24.43	354.70	975.7	55.40	0.0813	812
Nasturtium	61/2.75	24.75	362.60	998.5	58.40	0.0795	823
Violet	37/3.53	24.71	362.60	998.5	56.70	0.0795	823
Cattail	61/2.82	25.38	380.00	1046.0	60.30	0.0759	847
Petunia	37/3.62	25.34	380.00	1046.0	58.60	0.0759	847
Lilac	61/2.90	26.10	402.80	1110.0	63.80	0.0715	878
Arbustus	37/3.72	26.04	402.80	1109.0	61.80	0.0715	878
Snapdragon	61/3.09	27.81	456.00	1256.0	70.80	0.0632	948
Cockscomb	37/3.96	27.72	456.00	1256.0	68.40	0.0632	948
Goldenrod	61/3.18	28.62	483.40	1331.0	75.00	0.0596	982
Magnolia	37/4.08	28.56	483.40	1331.0	72.60	0.0596	982
Camellia	61/3.25	29.25	506.70	1394.0	78.30	0.0596	1010
Hawkweed	37/4.18	29.26	506.70	1395.0	76.20	0.0596	1010
Larkspur	61/3.31	29.79	523.70	1442.0	81.30	0.0550	1031
Bluebell	37/4.25	29.75	523.70	1441.0	78.80	0.0550	1031
Marigold	61/3.43	30.87	564.00	1553.0	87.30	0.0511	1079
Hawthorn	61/3.55	31.95	604.20	1662.0	93.50	0.0447	1124
Narcissus	61/3.67	33.03	644.50	1774.0	98.10	0.0447	1169
Columbine	61/3.78	34.02	694.80	1884.0	104.00	0.0421	1212
Carnation	61/3.89	35.01	725.10	1997.0	108.00	0.0398	1253
Gladiolus	61/4.00	36.00	765.41	2108.0	114.00	0.0376	1294
Coreopsis	61/4.10	36.90	805.70	2216.0	120.00	0.0358	1333
Jessamine	61/4.30	38.70	886.70	2442.0	132.00	0.0325	1408
Cowslip	91/3.77	41.47	1013.00	2787.0	153.00	0.0284	1518
Sagebrush	91/3.99	43.89	1140.00	3166.0	167.00	0.0255	1612
Lupine	91/4.21	46.31	1267.00	3519.0	186.00	0.0230	1706
Bitterroot	91/4.42	48.62	1393.00	3872.0	205.00	0.0209	1793
Trillium	127/3.90	50.70	1520.00	4226.0	223.00	0.0191	1874
Bluebonnet	127/4.22	54.86	1773.00	4977.0	261.00	0.0166	2024

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AAC IEC STANDARDI IEC STANDARDS

IEC 61089 : 1991

Kod	Tel Sayısı ve Tel Çapı	Dış Çap	Kesit Alanı	Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci
Code	Number and Wire Diameter	Overall Diameter	Cross Section	Net Weight (Approx)	Rated Stenght	DC Resistance
-	mm	mm	mm ²	kg / km	kN	Ohm / km
16	7/1.71	5.12	16	43.8	3.04	1.7896
25	7/2.13	6.40	25	68.4	4.50	1.1453
40	7/2.70	8.09	40	109.4	6.80	0.7158
63	7/3.39	10.20	63	172.3	10.39	0.4545
100	19/2.59	12.90	100	274.8	17.00	0.2877
125	19/2.89	14.50	125	343.8	21.25	0.2302
160	19/3.27	16.40	160	439.8	26.40	0.1798
200	19/3.66	18.30	200	549.7	32.00	0.1439
250	19/4.09	20.50	250	687.1	40.00	0.1151
315	37/3.29	23.00	315	867.9	51.97	0.0916
400	37/3.71	26.00	400	1102.0	64.00	0.0721
450	37/3.94	27.50	450	1239.8	72.00	0.0641
500	37/4.15	29.00	500	1377.6	80.00	0.0577
560	37/4.39	30.70	560	1542.9	89.60	0.0515
630	61/3.63	32.60	630	1738.3	100.80	0.0458
710	61/3.85	34.60	710	1959.1	113.60	0.0407
800	61/4.09	36.80	800	2207.4	128.00	0.0361
900	61/4.33	39.00	900	2483.3	144.00	0.0321
1000	61/4.57	41.10	1000	2759.2	160.00	0.0289
1120	91/3.96	43.50	1120	3093.5	179.20	0.0258
1250	91/4.18	46.00	1250	3452.6	200.00	0.0231
1400	91/4.43	48.70	1400	3866.9	224.00	0.0207
1500	91/4.58	50.40	1500	4143.1	240.00	0.0193

ALMAN STANDARDI / GERMAN STANDARDS

EN 50182 -DIN 48201 PART 5

Kod	Eski Kod	Tel Sayısı ve Tel Çapı	Dış Çap	Kesit Alanı	Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
Code	Old Code	Number and Wire Diameter	Overall Diameter	Cross Section	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
-	-	mm	mm	mm ²	kg / km	kN	Ohm / km	A
16 - AL1	16	7/1.70	5.1	15.9	43.4	3.02	1.7986	110
24 - AL1	25	7/2.10	6.3	24.2	66.3	4.36	1.1787	144
34 - AL1	35	7/2.50	7.5	34.4	93.9	6.01	0.8317	180
49 - AL1	50	7/3.00	9.0	49.5	135.2	8.41	0.5776	225
48 - AL1	50	19/1.80	9.0	48.3	132.9	8.94	0.5944	225
66 - AL1	70	19/2.10	10.5	65.8	180.9	11.85	0.4367	270
93 - AL1	95	19/2.50	12.5	93.3	256.3	16.32	0.3081	340
117 - AL1	120	19/2.80	14.0	117.0	321.5	19.89	0.2456	390
147 - AL1	150	37/2.25	15.8	147.1	405.7	26.48	0.1960	455
182 - AL1	185	37/2.50	17.5	181.6	500.9	31.78	0.1588	520
243 - AL1	240	61/2.25	20.3	242.5	671.1	43.66	0.1193	625
299 - AL1	300	61/2.50	22.5	299.4	828.5	52.40	0.0966	710
400 - AL1	400	61/2.89	26.0	400.1	1107.1	68.02	0.0723	855
500 - AL1	500	61/3.23	29.1	499.8	1382.9	82.47	0.0579	990
626 - AL1	625	91/2.69	32.6	626.2	1739.7	106.45	0.0464	1140
802 - AL1	800	91/3.35	36.9	802.1	2218.3	132.34	0.0362	1340
1000 - AL1	1000	91/3.74	41.1	999.7	2777.3	159.95	0.0291	1540

TEKNİK ÖZELLİKLER TECHNICAL DATA

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AAC KANADA STANDARDI / CANADA STANDARDS

CSA C 49

Kod	Tel Sayısı ve Tel Çapı	Dış Çap	Kesit Alanı	Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
Code	Number and Wire Diameter	Overall Diameter	Cross Section	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
-	mm	mm	mm ²	kg / km	kN	Ohm / km	A
Rose	7/1.96	5.89	21.16	58	4.1	1.3510	104
Lily	7/2.20	6.61	26.65	73	5.0	1.0720	124
Iris	7/2.47	7.42	33.61	92	6.2	0.8497	136
Pansy	7/2.77	8.33	42.39	116	7.6	0.6739	157
Poppy	7/3.12	9.36	53.48	146	9.2	0.5341	180
Aster	7/3.50	10.51	67.42	184	11.6	0.4236	207
Phlox	7/3.93	11.80	85.03	232	14.1	0.3360	237
Oxlip	7/4.41	13.25	107.23	293	17.7	0.2664	273
Daisy	7/4.96	14.90	135.16	369	22.4	0.2113	313
Valerian	19/2.91	14.57	126.71	348	22.3	0.2274	305
Laurel	19/3.01	15.05	135.16	372	23.8	0.2129	317
Peony	19/3.19	15.97	152.00	417	26.2	0.1880	340
Tulip	19/3.38	16.91	170.45	467	29.4	0.1638	364
Daffodil	19/3.44	17.24	177.35	488	30.6	0.1624	373
Canna	19/3.67	18.36	201.42	554	34.0	0.1427	401
-	19/3.68	18.43	202.71	558	34.2	0.1421	402
Goldentuft	19/3.90	19.55	228.00	626	37.7	0.1263	432
Cosmos	19/4.02	20.12	241.68	664	40.0	0.1188	447
Zinnia	19/4.12	20.60	253.35	695	41.9	0.1132	459
Dahlia	19/4.34	21.73	282.00	774	46.7	0.1018	489
-	37/3.09	21.67	278.71	768	48.0	0.1033	485
Meadowsweet	37/3.23	22.63	304.00	838	52.4	0.0948	513
Orchid	37/3.33	23.31	322.26	888	55.6	0.0896	531
Heuchera	37/3.36	23.56	329.35	908	56.8	0.0876	538
Varbena	37/3.49	24.45	354.71	978	61.1	0.0814	562
Violet	37/3.53	24.74	362.58	1000	62.5	0.0797	570
Patunia	37/3.61	25.32	380.00	1048	64.2	0.0758	585
Arbutus	37/3.72	26.06	402.84	1112	68.1	0.0715	605
-	37/3.73	26.14	405.35	1118	68.5	0.0712	608
Anemone	37/3.90	27.33	443.10	1222	73.3	0.0653	641
Cockscomb	37/3.96	27.73	456.06	1257	75.4	0.0633	657
Magnolia	37/4.07	28.55	483.42	1333	80.0	0.0597	675
Hawkweed	37/4.17	29.23	506.71	1396	83.8	0.0568	693
Bluebell	37/4.24	29.72	523.68	1445	86.6	0.0551	706
-	61/3.41	30.70	557.35	1539	96.1	0.0518	733
Marigold	61/3.43	30.89	563.93	1559	97.2	0.0512	738
Hawthorn	61/3.55	31.95	604.26	1670	104.1	0.0479	767
-	61/3.56	32.08	608.06	1679	102.7	0.0476	771
Narcissus	61/3.66	33.02	644.51	1781	108.8	0.0450	797
-	61/3.70	33.37	658.71	1818	111.2	0.0440	807
Columbine	61/3.78	34.01	684.84	1893	115.6	0.0423	825
-	61/3.84	34.63	709.42	1958	117.4	0.0407	842
Carnation	61/3.89	35.03	725.10	2004	119.9	0.0400	854
-	61/3.98	35.85	760.06	2098	125.7	0.0381	877
Gladiolus	61/3.99	35.99	765.35	2116	126.5	0.0377	881
Corepsis	61/4.09	36.91	805.68	2226	133.2	0.0358	907
-	61/4.11	37.04	810.71	2238	134.1	0.0358	910
-	61/4.23	38.15	861.42	2378	142.6	0.0335	942
-	61/3.57	39.28	912.06	2521	153.9	0.0316	975

AAC

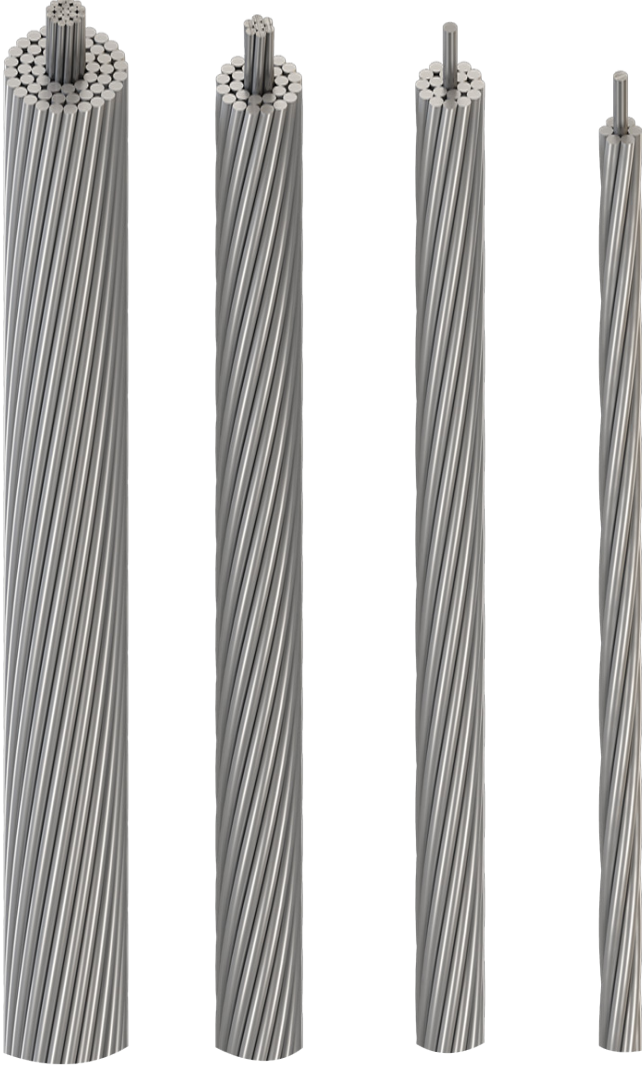
AAC İNGİLİZ STANDARDI / ENGLISH STANDARDS

BS EN 50182: 2001
BS215 PART 1 :1970

Kod	Eski Kod	Tel Sayısı ve Tel Çapı	Dış Çap	Kesit Alanı	Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
Code	Old Code	Number and Wire Diameter	Overall Diameter	Cross Section	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
-	-	mm	mm	mm ²	kg / km	kN	Ohm / km	A
23 - AL1	Midge	7/2.06	6.18	22	64	3.99	1.227	114
27 - AL1	Gnat	7/2.21	6.63	-	73	4.83	1.0643	124
37 - AL1	Mosquito	7/2.59	7.77	-	101	6.27	0.7749	144
43 - AL1	Ladybird	7/2.79	8.37	-	117	7.28	0.6678	159
53 - AL1	Ant	7/3.10	9.3	50	145	8.28	0.5419	181
64 - AL1	Fly	7/3.40	10.2	60	174	9.9	0.4505	199
74 - AL1	Bluebottle	7/3.66	10.98	-	201	11.78	0.388	219
79 - AL1	Earwig	7/3.78	11.34	-	215	12.57	0.3638	227
84 - AL1	Grasshopper	7/3.91	11.73	-	230	13.46	0.34	238
96 - AL1	Clegg	7/4.17	12.51	-	261	15.3	0.2989	256
106 - AL1	Wasp	7/4.39	13.17	100	290	16	0.2702	271
106 - AL1	Beetle	19/2.67	13.35	-	292	18.08	0.2701	274
132 - AL1	Bee	7/4.90	14.7	-	361	21.12	0.2165	308
158 - AL1	Hornet	19/3.25	16.25	150	434	25.7	0.1825	346
186 - AL1	Caterpillar	19/3.53	17.65	-	511	29.75	0.1546	380
213 - AL1	Chafer	19/3.78	18.9	200	587	32.4	0.1349	414
238 - AL1	Spider	19/3.99	19.95	-	653	38.01	0.121	439
266 - AL1	Cockroach	19/4.22	21.1	250	731	40.4	0.1083	470
323 - AL1	Butterfly	19/4.65	23.25	300	888	48.75	0.08916	528
373 - AL1	Centipede	37/3.78	26.46	400	1145	63.1	0.06944	619
415 - AL1	Moth	19/5.00	25	-	1025	59.69	0.077	572
372 - AL1	Drone	37/3.58	25.06	-	1027	59.59	0.0774	572
486 - AL1	Maybug	374.09	28.63	-	1340	77.78	0.593	676
530 - AL1	Scorpion	37/4.27	29.89	-	1461	84.77	0.0544	710
628 - AL1	Cicada	37/4.65	32.55	-	1732	100.54	0.0459	784



ACSR

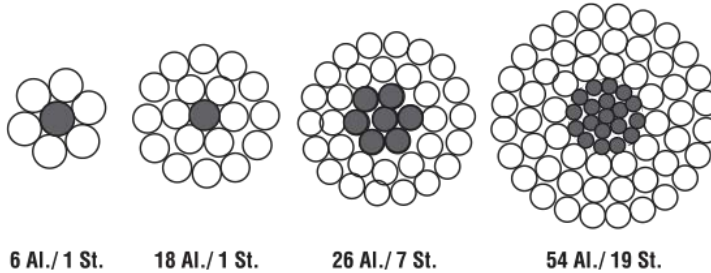


TEKNİK BİLGİLER

Orta ve yüksek gerilim iletim hatlarında kullanılırlar. TS EN 50182 Standardına uygun olarak alüminyum tellerden ve çinko kaplı çelik tellerden imal edilirler. İletkenler yedi veya daha fazla tellerden eş merkez tabakalı olarak örülürler. Eğer iletken birden fazla tabakadan oluşuyorsa bitişik tabakalar birbirine ters adım yönünde örülür. İstenildiğinde DIN. BS. ASTM. NF. CSA. EN standartlarına uygun üretim yapılabilir.

TECHNICAL DATA

They are used in medium and high voltage transmission lines. The aluminium wires and zinc coated steel wires are produced in accordance with TS EN 50182 standards. Conductors are stranded with seven or more wire as concentrically. If conductors are consist of more than one layer. than they are stranded in reverse direction to each other. Upon request they can be produced in accordance to DIN. BS. ASTM. NF. CSA. EN standards..



TEKNİK ÖZELLİKLER TECHNICAL DATA

ACSR

ACSR AMERİKAN STANDARTI / AMERICAN STANDARDS

ASTM B232 / B232M

Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yükü	D.A. Direnci	Akım Taşıma Kapasitesi
	Number and Wire Diameter			Cross Section						
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
Turkey	6/1.68	1/1.68	5.04	13.29	2.21	15.5	53.6	5.2	2.15700	105
Swan	6/2.12	1/2.12	6.36	21.16	3.55	24.71	85.3	8.3	1.35600	140
Swanate	7/1.96	1/2.61	6.53	21.16	5.35	26.51	99.6	10.5	1.35600	140
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	135.7	12.7	0.85300	184
Sparate	7/2.47	1/3.30	8.24	33.61	8.52	42.13	158.7	16.1	0.85300	184
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171.1	15.8	0.67650	212
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	216.1	19.4	0.53640	242
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	272.0	23.6	0.42550	276
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343.0	29.5	0.33730	315
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	432.7	37.1	0.26760	357
Waxwing	18/3.09	1/3.09	15.45	135.16	7.48	142.64	430.2	30.6	0.21330	449
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.16	545.9	50.3	0.21420	475
Ostrich	26/2.73	7/2.12	17.28	152	24.77	176.77	613.4	56.5	0.19060	492
Merlin	18/2.89	1/2.25	18.29	118	3.97	121.99	542.8	38.63	0.17188	519
Linnet	26/2.89	7/2.25	18.31	170.45	27.74	198.19	687.5	62.7	0.16990	529
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.26	783.3	77.0	0.17040	535
Chickdee	18/3.77	1/3.77	18.85	201.42	11.16	212.58	641.3	44.2	0.14320	576
Brant	24/3.27	7/2.18	19.61	201.42	26.13	227.55	761.0	64.9	0.14380	584
Ibis	26/3.14	7/2.44	19.88	201.42	32.77	234.19	812.4	72.5	0.14380	587
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.39	925.2	90.3	0.14420	594
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769.7	52.5	0.11930	646
Flicker	24/3.58	7/2.39	21.49	241.68	31.29	272.97	913.5	76.1	0.11990	655
Hawk	26/3.44	7/2.68	21.8	241.68	39.35	281.03	975.1	86.7	0.11990	659
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.07	1110.3	105.9	0.12020	666
Osprey	18/4.47	1/4.47	22.35	282	15.68	297.68	897.7	60.9	0.10220	711
Parakeet	24/3.87	7/2.58	23.22	282	36.58	318.58	1065.6	88.1	0.10280	721
Dove	26/3.72	7/2.89	23.55	282	45.94	327.94	1138.6	100.5	0.10280	726
Eagle	30/3.46	7/3.46	24.21	282	65.81	347.81	1295.6	123.7	0.10300	734
Peacock	24/4.03	7/2.69	24.2	306.58	39.74	346.32	1158.9	95.6	0.09449	760
Squab	26/3.87	26/1.525	24.51	306.58	49.94	356.52	1237.0	106.8	0.09449	765
Wood Duc	30/3.61	7/3.61	25.25	306.58	71.55	378.13	1408.4	128.5	0.09473	774
Teal	30/3.61	19/2.16	25.24	306.58	69.87	376.45	1396.6	133.4	0.09475	773
Kingbird	18/4.78	1/4.78	23.88	322.39	17.74	340.13	1026.6	69.8	0.89420	773
Swift	36/3.38	1/3.37	23.62	322.2	8.9	331.14	956.6	61.38	0.89751	769
Rook	24/4.14	7/2.76	24.84	322.26	41.81	364.07	1217.6	101.0	0.08989	784
Grosbeak	26/3.97	7/3.09	25.15	300.26	52.52	374.78	1300.8	112.1	0.08989	789
Scoter	30/3.70	7/3.70	25.88	322.26	75.22	397.48	1480.7	134.8	0.09011	798
Egret	30/3.70	19/2.22	25.9	322.26	7.48	395.74	1469.0	140.1	0.09012	798
Flamingo	24/4.23	7/2.82	25.4	337.74	43.81	381.55	1276.6	105.4	0.08576	807
Gannet	26/4.07	7/3.16	28.3	337.81	55.03	392.84	1363.3	117.4	0.08576	812
Stilt	24/4.39	7/2.92	26.31	362.64	46.97	409.61	1370.4	113.4	0.07989	844
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.61	1463.7	126.3	0.07992	849
Redwing	30/3.92	19/2.35	27.43	362.58	82.64	445.22	1650.6	153.9	0.08009	859

ACSR AMERİKAN STANDARDI / AMERICAN STANDARDS

ASTM B232 / B232M

Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
	Number and Wire Diameter			Cross Section						
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
Coot	36/3.77	1/3.77	26.39	401.9	11.2	413.1	1198	74.7	0.07397	884
Tern	45/3.38	7/2.25	27.03	402.84	27.87	430.71	1331.8	98.3	0.07192	887
Condor	54/3.08	7/3.08	27.72	402.84	52.19	455.03	1520.7	125.4	0.07192	889
Cuckoo	24/4.62	7/3.08	27.74	402.9	52.2	455.1	1522.2	124.1	0.07190	887
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.45	1626.4	140.1	0.07192	907
Mallard	30/4.14	19/2.48	28.96	402.84	91.87	494.71	1836.0	170.8	0.07208	918
Ruddy	45/3.59	7/2.40	28.73	455.81	31.54	487.35	1507.3	108.3	0.06356	958
Canary	54/3.28	7/3.28	29.52	456.06	59.1	515.16	1723.1	141.9	0.06352	961
Rail	45/3.70	7/2.47	29.61	483.42	33.42	516.84	1598.1	115.2	0.05994	993
Cardinal	54/3.38	7/3.38	30.42	483.42	62.65	546.07	1825.9	150.3	0.05994	996
Ortolan	45/3.85	7/2.57	30.81	523.68	36.19	559.87	1730.5	123.2	0.05531	1043
Curlew	54/3.52	7/3.52	31.68	523.68	67.87	591.55	1977.6	162.8	0.05531	1047
Bluejay	45/4.00	7/2.66	31.98	563.93	39.03	602.96	1866.0	132.6	0.05161	1092
Finch	54/3.65	19/2.19	32.85	563.93	71.48	635.41	2127.8	173.9	0.05161	1093
Bunting	45/4.14	7/2.76	33.12	604.26	41.55	645.81	1996.9	141.9	0.04820	1139
Grackle	54/3.77	19/2.27	33.97	604.26	76.52	680.78	2278.1	185.9	0.04820	1140
Bittern	45/4.27	7/2.85	34.17	644.1	44.52	688.62	2130.8	151.7	0.04518	1184
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.19	2431.4	193.9	0.04518	1187
Dipper	45/4.40	7/2.92	35.16	685.16	47.1	732.26	2263.0	161.0	0.04259	1229
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.55	2581.7	205.9	0.04259	1232
Bobolink	45/4.53	7/3.02	36.24	725.16	50.32	775.48	2397.2	170.8	0.04016	1272
Plover	54/4.14	19/2.48	37.24	725.16	91.81	816.97	2734.9	218.0	0.04016	1275
Nuthatch	45/4.65	7/3.10	37.2	765.16	52.9	818.06	2529.6	178.4	0.03802	1313
Parrot	54/4.25	19/2.55	38.25	765.16	97.16	862.32	2883.7	230.4	0.03802	1318
Lapwing	45/4.77	7/3.18	38.16	805.8	55.48	861.28	2663.5	187.3	0.03612	1354
Falcon	54/4.36	19/2.62	39.26	805.8	102.32	908.12	3038.5	242.9	0.03612	1359
Chuckar	84/3.70	19/2.22	42.7	901.93	73.55	975.48	3083.1	228.2	0.03228	1453
Bluebird	84/4.07	19/2.44	44.76	1092.2895	88.80	1181.09	3736.1	268.7	0.02667	1623
Kiwi	72/4.41	7/2.94	44.1	1099.21	47.50	1146.70	3425.6	222.0	0.02667	1607

TEKNİK ÖZELLİKLER TECHNICAL DATA

ACSR

ACSR IEC STANDARDI / IEC STANDARDS

IEC 61089:1997

Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci
	Number and Wire Diameter			Cross Section					
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance
	Aluminium	Steel		Aluminium	Steel	Total			
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km
16	6/1.81	1/1.81	5.43	15	2.56	17.9	59.0		17.923
25	6/2.26	1/2.26	6.78	24	4.00	28	92.1	9.00	11.471
40	6/2.85	1/2.85	8.55	38	6.40	44.8	147.4	14.21	0.7169
63	6/3.58	1/3.58	10.7	60	10.08	70.6	232.2	21.17	0.4552
100	6/4.51	1/4.51	13.5	96	16.00	112	368.6	31.84	0.2868
125	18/2.95	1/2.95	14.8	123	6.85	130	384.3	29.18	0.2304
125	26/2.43	7/1.89	15.4	120	19.6	140	460.8	44.49	0.2308
160	18/3.34	1/3.34	16.7	158	8.77	167	491.9	3.638	0.1800
160	26/2.74	7/2.13	17.4	154	25.0	179	589.9	56.18	0.1803
200	18/3.74	1/3.74	18.7	197	10.96	208	614.9	43.62	0.1440
200	26/3.07	7/2.39	19.4	192	31.3	223	737.2	69.27	0.1443
250	22/3.76	7/2.09	21.3	244	24.0	268	830.9	67.80	0.1153
250	26/3.43	7/2.67	21.7	240	39.1	279	921.5	86.58	0.1154
315	45/2.96	7/1.97	23.7	310	21.4	331	996.4	78.33	0.0917
315	26/3.85	7/3.02	24.4	303	49.3	352	11.61.1	107.58	0.0916
400	45/3.34	7/2.22	26.7	393	27.2	420	1265.3	97.50	0.0722
400	54/3.02	7/3.02	27.2	387	50.2	438	1402.9	124.20	0.0723
450	45/3.54	7/2.36	28.3	442	30.6	473	1423.4	107.48	0.0642
450	54/3.21	7/3.21	28.9	436	56.5	492	1578.2	139.72	0.0642
500	45/3.73	7/2.49	29.8	492	34.0	525	1581.6	119.42	0.0578
500	54/3.38	7/3.38	30.4	484	62.8	547	1753.6	153.99	0.0578
560	45/3.95	7/2.63	31.6	550	38.1	589	1771.4	133.75	0.0516
560	54/3.58	19/2.15	32.2	543	68.8	612	1956.3	169.36	0.0516
630	45/4.19	7/2.79	33.5	619	42.8	662	1992.8	150.47	0.0458
630	54/3.79	19/2.28	34.2	611	77.3	688	2200.9	190.52	0.0459
710	45/4.44	7/2.96	35.6	698	48.3	746	2245.8	169.57	0.0407
710	54/4.03	19/2.42	36.3	688	87.2	775	2480.3	214.72	0.0407
800	72/3.74	7/2.49	37.4	791	34.2	826	2412.8	167.67	0.0361
800	84/3.45	7/3.45	37.9	784	65.3	849	2598.9	206.37	0.0362
800	54/4.28	19/2.57	38.5	775	98.2	874	2794.7	241.94	0.0361
900	72/3.97	7/2.65	39.7	890	38.5	929	2714.4	188.63	0.0321
900	84/3.66	7/3.66	40.2	882	73.5	955	2923.8	224.82	0.0321
1000	72/4.18	7/2.79	41.8	989	42.7	1032	3016.0	209.59	0.0289
1120	72/4.43	19/1.77	44.33	1108	46.8	1155	3372.6	233.48	0.0258
1120	84/4.08	19/2.45	46.8	1098	89.4	1187	3628.4	282.88	0.0258
1250	72/4.68	19/1.87	46.8	1237	52.5	1289	3764.1	260.58	0.0231
1250	84/4.31	19/2.59	47.4	1225	99.8	1325	4049.5	315.72	0.0231

ACSR ALMAN STANDARDI / GERMAN STANDARDS

EN 50182 - DIN - 48204

Yeni Kod	Eski Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
		Number and Wire Diameter			Cross Section						
New Code	Old Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance ohm/km	Cuurent Carrying Capacity
		Aluminium	Steel		Aluminium	Steel	Total				
-	-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
15 - AL1/3 - ST1A	16/2.5	6/1.80	1/1.80	5.4	15.3	2.5	17.9	62	5.81	1.8793	105
24 - AL1/4 - ST1A	25/4	6/2.25	1/2.25	6.8	23.8	4	27.8	96	9.02	1.2028	140
34 - AL1/6 - ST1A	35/6	6/2.70	1/2.70	8.1	34.3	5.7	40	139	12.70	0.8353	170
44 - AL1/32 - ST1A	44/32	14/2.00	7/2.40	11.2	44	31.7	75.7	369	45.46	0.6573	-
48 - AL1/8 - SAT1A	50/8	6/3.20	1/3.20	9.6	48.3	8	56.3	195	17.18	0.5946	210
51 - AL1/30 - SAT1A	50/30	12/2.33	7/2.33	11.7	51.2	29.8	81	375	44.28	0.5644	-
70 - AL1/11 - ST1A	70/12	26/1.85	7/1.44	11.7	69.9	11.4	81.3	282	26.31	0.4130	290
94 - AL1/15 - ST1A	95/15	26/2.15	7/1.67	13.6	94.4	15.3	110	381	35.17	0.3058	350
97 - AL1/56 - ST1A	95/55	12/3.20	7/3.20	16	96.5	56.3	153	707	80.20	0.2992	-
106 - AL1/76 - ST1A	105/75	14/3.10	19/2.25	17.5	105.7	75.5	182	885	106.69	0.2736	-
122 - AL1/20 - ST1A	120/20	26/2.44	7/1.90	15.5	121.6	19.8	141	491	44.94	0.2374	410
122 - AL1/71 - ST1A	120/70	12/3.60	7/3.60	18	122	71.3	193	895	98.16	0.2364	-
128 - AL1/30 - ST1A	125/30	30/2.33	7/2.33	16.1	127.9	29.8	158	587	57.86	0.2259	425
149 - AL1/24 - ST1A	150/25	26/2.70	7/2.10	17.1	148.9	24.2	173	601	54.37	0.1939	470
172 - AL1/40 - ST1A	170/40	30/2.70	7/2.70	18.9	171.8	40.1	212	788	77.01	0.1682	520
184 - AL1/30 - ST1A	185/30	26/3.00	7/2.33	19	183.8	29.8	214	741	66.28	0.1571	535
209 - AL1/34 - ST1A	210/35	26/3.20	7/2.49	20.3	209.1	34.1	243	844	74.94	0.1380	590
212 - AL1/49 - ST1A	210/50	30/3.00	7/3.00	21.3	212.1	49.5	262	973	92.25	0.1363	610
231 - AL1/30 - ST1A	230/30	24/3.50	7/2.33	21	230.9	29.8	261	871	73.09	0.1249	630
243 - AL1/39 - ST1A	240/40	26/3.45	7/2.68	21.9	243	39.5	283	980	86.46	0.1188	645
264 - AL1/34 - ST1A	265/35	24/3.74	7/2.49	22.4	263.7	34.1	298	994	82.94	0.1094	680
304 - AL1/47 - ST1A	300/50	26/3.86	7/3.00	24.5	304.3	49.5	354	1227	105.09	0.0949	740
305 - AL1/39 - ST1A	305/40	54/2.68	7/2.68	24.1	304.6	39.5	344	1151	99.30	0.0949	740
339 - AL1/30 - ST1A	340/30	48/3.00	7/2.33	25	339.3	29.8	369	1171	92.56	0.0851	790
382 - AL1/49 - ST1A	380/50	54/3.00	7/3.00	27	382	49.5	432	1443	120.91	0.0757	840
386 - AL1/34 - ST1A	385/35	48/3.20	7/2.49	26.7	386	34.1	420	1334	104.31	0.0748	850
434 - AL1/56 - ST1A	435/55	54/3.20	7/3.20	28.8	434.3	56.3	491	1641	136.27	0.0666	900
449 - AL1/39 - ST1A	450/40	48/3.45	7/2.68	28.7	448.7	39.5	488	1549	120.19	0.0644	920
490 - AL1/64 - ST1A	490/65	54/3.40	7/3.40	30.6	490.3	63.6	554	1853	152.85	0.0590	960
494 - AL1/34 - ST1A	495/35	45/3.74	7/2.49	29.9	494.4	34.1	528.4	1632	117.96	0.0584	985
511 - AL1/45 - ST1A	510/45	48/3.68	7/2.87	30.7	510.15	45.3	555.8	1765	133.31	0.0566	995
550 - AL1/71 - ST1A	550/70	54/3.60	7/3.60	32.4	550	71.3	621	2077	166.32	0.0526	1020
562 - AL1/49 - ST1A	560/50	48/3.86	7/3.00	32.2	561.7	49.5	611	1940	146.28	0.0514	1040
571 - AL1/39 - ST1A	570/40	45/4.02	7/2.68	32.2	571.2	39.5	610.6	1887	136.4	0.0506	1050
653 - AL1/45 - ST1A	650/45	45/4.30	7/2.87	34.4	653.5	45.3	698.8	2160	156.18	0.0442	1120
679 - AL1/86 - ST1A	680/85	54/4.00	19/2.40	36	678.8	86	765	2550	206.56	0.0426	1150
1046 - AL1/45 - ST1A	1045/45	72/4.30	7/2.87	43	1045.6	45.3	1010	3248	218.92	0.0277	1580

TEKNİK ÖZELLİKLER TECHNICAL DATA

ACSR

ACSR KANADA STANDARTI / CANADA STANDARDS

CSA C 49

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	Number and Wire Diameter			Cross Section						
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
Wren	6/1.33	1/1.33	3.99	8.39	1.42	9.81	34	3.3	3.4226	63
Warbler	6/1.50	1/1.50	4.5	10.59	1.34	11.93	43	4.2	2.7139	67
Turkey	6/1.68	1/1.68	5.04	13.29	2.19	15.48	54	5.2	2.1535	86
Thrush	6/1.89	1/1.89	5.67	16.77	2.77	19.54	68	6.5	1.7077	93
Swan	6/2.12	1/2.12	6.36	21.16	3.55	24.71	85	8.2	1.3537	109
Swallow	6/2.38	1/2.38	7.14	26.65	4.45	31.09	108	10.0	1.0738	126
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	136	12.4	0.8504	140
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171	15.5	0.6752	162
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	215	19.0	0.5351	186
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	273	10.8	0.4245	211
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343	29.7	0.3366	241
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	433	37.5	0.2671	276
Owl	6/5.36	7/1.74	16.09	135.16	17.55	152.7	508	42.5	0.2119	322
Waxwing	18/3.09	1/3.09	15.15	135.16	7.48	142.6	430	31.5	0.2126	319
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.2	545	50.01	0.2136	321
Phoebe	18/3.28	1/3.28	16.4	152	8.45	160.5	483	35.5	0.1893	341
Ostrich	26/2.73	7/2.12	17.28	152	24.71	176.7	613	56.2	0.19	343
Piper	30/2.54	7/2.54	17.78	152	35.48	187.5	697	68.6	0.1903	348
Merlin	18/3.47	1/3.47	17.35	170.45	9.48	179.9	543	39.8	0.1686	364
Linnet	26/2.89	7/2.25	18.31	170.45	27.81	198.3	687	62.5	0.1696	368
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.3	783	75.8	0.1696	370
Chickadee	18/3.77	1/3.77	18.85	201.42	11.16	212.6	641	46.3	0.143	402
Ibis	26/3.14	7/2.44	19.88	201.42	32.77	234.2	813	72.0	0.1434	404
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.4	923	88.8	0.1437	410
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769	54.8	0.1191	449
-	22/3.74	7/2.08	21.2	241.68	23.74	265.4	853	68.6	0.1194	452
Hawk	26/3.44	7/2.67	21.77	241.68	39.42	281.1	975	86.5	0.1194	450
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.1	1108	103.9	0.1198	453
Heron	30/3.28	7/3.28	22.96	253.35	59.1	312.5	1162	108.8	0.1142	469
-	22/4.04	7/2.24	22.88	282	27.68	309.7	993	79.1	0.1024	496
Dove	26/3.72	7/2.89	23.55	282	45.94	327.9	1137	99.9	0.1024	495
Eagle	30/3.46	7/3.46	24.22	282	65.81	347.8	1293	121.2	0.1027	497
-	22/4.21	7/2.34	23.86	306.58	30.07	336.7	1080	84.9	0.0942	519
Duck	54/2.69	7/2.69	24.21	306.58	39.81	346.4	1159	100.1	0.0945	520
-	22/4.32	7/2.40	24.48	322.26	31.61	353.9	1135	84.8	0.0896	532
Grosbeak	26/3.97	7/3.09	25.15	322.26	52.45	374.7	1299	111.2	0.0896	530
Egret	30/3.70	19/2.22	25.9	322.26	73.55	395.8	1467	140.6	0.0896	542
Goose	54/2.76	7/2.76	24.84	322.26	41.74	364	1217	105.2	0.0899	534

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	Number and Wire Diameter			Cross Section						
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
-	42/3.20	7/1.78	24.54	337.74	17.35	355.1	1068	78.6	0.0856	546
Gull	54/2.82	7/2.82	25.38	337.74	43.81	381.6	1277	109.2	0.0856	553
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.6	1462	125.0	0.0797	575
Redwing	30/3.92	19/2.35	27.43	362.58	82.58	445.2	1648	153.9	0.0797	581
-	42/3.31	7/1.84	25.38	362.58	18.65	381.2	1148	84.3	0.0797	573
Crow	54/2.92	7/2.92	26.28	362.58	46.97	409.6	1369	117.2	0.0797	577
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.5	1624	139	0.0715	611
Mallard	30/4.14	19/2.48	28.96	402.8	91.84	494.7	1832	171.0	0.0719	618
-	42/3.50	7/1.94	26.82	402.8	20.71	423.6	1274	93.6	0.0719	610
Condore	54/3.08	7/3.08	27.72	402.8	52.19	455	1521	127.0	0.0719	615
-	42/3.67	7/2.04	28.14	443.1	22.84	465.9	1402	102	0.0653	645
Crane	54/3.23	7/3.23	29.07	443.1	57.48	500.7	1674	133	0.0653	649
-	42/3.72	7/2.07	28.53	456.1	23.42	479.5	1442	105	0.0633	655
Canary	54/3.28	7/3.28	29.52	456.1	59.1	515.2	1724	144	0.0633	660
-	42/3.38	7/2.13	29.87	483.4	24.84	508.3	1528	109.0	0.0597	678
Cardinal	54/3.38	7/3.38	30.42	483.4	62.65	546.1	1826	152	0.0597	682
-	42/3.99	7/2.21	30.57	523.7	26.97	550.7	1657	118	0.0551	710
Curlew	54/3.51	7/3.51	31.59	523.7	67.87	591.6	1978	165	0.0551	715
-	42/4.41	7/2.30	31.74	563.9	28.97	592.9	1783	126	0.0512	741
Finch	54/3.65	19/2.19	32.85	563.9	71.55	636.8	2121	179	0.0512	746
-	42/4.28	7/2.38	32.82	604.3	31.1	635.4	1911	135	0.0479	772
Grackle	54/3.77	19/2.27	33.97	604.26	76.58	680.8	2271	192	0.0479	776
-	42/4.42	7/2.46	33.9	644.51	33.16	677.7	2039	144	0.0449	800
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.2	2421	199	0.0449	805
-	42/4.56	7/2.53	34.95	684.84	35.23	720.1	2166	153	0.0423	829
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.6	2573	212	0.0423	835
-	42/4.69	7/2.61	35.97	725.1	37.35	762.5	2294	162	0.0397	858
Plover	54/4.14	19/2.48	37.24	725.1	91.87	817	2725	224	0.04	862
-	42/4.82	7/2.67	36.93	765.35	39.35	804.7	2420	171	0.0377	885
Parrot	54/4.25	19/2.55	38.25	765.4	96.84	862.2	2877	237	0.0377	890
-	48/4.36	7/3.60	38.58	805.7	71.1	876.2	2779	212	0.0358	929
Falcon	54/4.36	19/2.62	39.26	805.7	102.1	907.8	3028	250	0.0358	917
-	72/3.77	7/2.52	37.72	805.7	34.84	840.5	2498	176	0.0358	910
Bantam	3/1.68	4/1.68	5.04	6.65	8.84	15.49	87.80	11.7	4.3218	61
Magpie	3/2.12	4/2.12	6.36	10.58	14.13	24.71	139.70	18.6	2.7077	77
Shrike	3/2.67	4/2.67	8.01	16.84	22.45	39.29	222.60	28.6	1.7054	99
Snipe	3/3.37	4/3.37	10.11	26.17	35.68	62.45	354.10	43.9	1.0718	132
Loon	3/3.78	4/3.78	11.34	33.68	44.97	78.65	445.80	55.3	0.8514	149

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ACSR

ACSR KANADA STANDARDI / CANADA STANDARDS

CSA C 49

Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
	Number and Wire Diameter			Cross Section						
Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance	Cuurent Carrying Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A
Grouse	8/2.54	1/4.24	9.32	40.52	14.13	54.65	221.20	23.1	0.7077	157
Petrel	12/2.34	7/2.34	11.7	51.61	30.01	81.67	376.90	43.8	0.5591	193
Minorca	12/2.44	7/2.44	12.2	56.13	32.77	88.9	311.30	47.7	0.5134	198
Leghorn	12/2.69	7/2.69	13.45	68.19	39.81	108	498.50	57.5	0.4226	221
Guinea	12/2.92	7/2.92	14.6	80.68	46.97	127.6	587.80	67.6	0.3579	244
Dotterell	12/3.08	7/3.08	15.4	89.48	52.19	191.7	654.80	73.0	0.3215	260
Dorking	12/3.20	7/3.20	16	96.71	56.39	153.1	706.90	78.9	0.2982	271
Brahma	16/2.86	19/2.48	18.12	102.97	91.87	194.8	1004.9	122.5	0.2815	287
Auk	8/4.05	7/2.25	14.83	102.84	92.32	195.2	500.00	49.6	0.2789	276
Cochin	12/3.37	7/3.37	16.85	107.1	62.45	169.6	782.8	87.4	0.2694	288

ACSR FRANSIZ STANDARDI / FRANCE STANDARDS

EN 50182

Yeni Kod	Eski Kod	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci
		Number and Wire Diameter			Cross Section					
New Code	Old Code	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance
		Aluminium	Steel		Aluminium	Steel	Total			
-	-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km
28 - AL1/9 - ST1A	CANNA 37.7	9/2.00	3/2.00	8.30	28.3	9.42	37.7	152	16.26	1.018 7
38 - AL1/22 - ST1A	CANNA 59.7	12/2.00	7/2.00	10.0	37.7	22.0	59.7	276	32.70	0.766 0
48 - AL1/28 - ST1A	CANNA 75.5	12/2.25	7/2.25	11.3	47.7	27.8	75.5	350	41.15	0.605 2
59 - AL1/34 - ST1A	CANNA 93.3	12/2.50	7/2.50	12.5	58.9	34.4	93.3	431	49.48	0.490 2
94 - AL1/22 - ST1A	CANNA 116.2	30/2.00	7/2.00	14.0	94.2	22.0	116.2	433	43.17	0.306 7
119 - AL1/28 - ST1A	CANNA 147.1	30/2.25	7/2.25	15.8	119.3	27.8	147.1	547	54.03	0.242 3
147 - AL1/34 - ST1A	CANNA 181.6	30/2.50	7/2.50	17.5	147.3	34.4	181.6	676	64.94	0.196 3
185 - AL1/43 - ST1A	CANNA 228	30/2.80	7/2.80	19.6	184.7	43.1	227.8	848	80.54	0.156 5
234 - AL1/55 - ST1A	CANNA 288	30/3.15	7/3.15	22.1	233.8	54.6	288.3	1073	98.58	0.123 6

ACSR İSPANYA STANDARDI / SPAIN STANDARDS

EN 50182

Kod	Yeni Kod	Tel Sayısı ve Tel Çapı		Çap		Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci
		Number and Wire Diameter		Diameter		Cross Section					
Code	New Code	Alüminyum	Çelik	İletken	Öz	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance
		-	Steel	Cond.	Core	Aluminium	Steel	Total			
-	-	mm	mm	mm	mm	kg / km	kN	ohm/km	kg / km	kN	ohm/km
LA-30	27-AL1/4-ST1A	6 / 2.38	1 / 2.38	2.38	7.14	26.7	4.5	31.1	107.8	9.74	1.0736
LA-56	47-AL1/8-ST1A	6 / 3.15	1 / 3.15	3.15	9.45	46.8	7.8	54.6	188.8	16.29	0.6129
LA-78	67-AL1/11-ST1A	6 / 3.78	1 / 3.78	3.78	11.34	67.3	11.2	78.6	271.8	23.12	0.4256
LA-110	94-AL1/22-ST1A	30 / 2.00	7 / 2.00	6.00	14.00	94.2	22.0	116.2	432.5	43.17	0.3067
LA-145	119-AL1/28-ST1A	30 / 2.25	7 / 2.25	6.75	15.75	119.3	27.8	147.1	547.4	54.03	0.2423
LA-180	147-AL1/34-ST1A	30 / 2.50	7 / 2.50	7.50	17.50	147.3	34.4	181.6	675.8	64.94	0.1963
LA-280 HAWK	242-AL1/39-ST1A	26 / 3.44	7 / 2.68	8.04	21.80	241.6	39.5	281.1	976.2	84.94	0.1195
LA-380 GULL	337-AL1/44-ST1A	54 / 2.85	7 / 2.82	8.46	25.40	337.3	43.7	381.0	1274.6	107.18	0.0857
LA-455 CONDOR	402-AL1/44-ST1A	54 / 3.08	7 / 3.08	9.24	2.70	402.3	52.2	454.5	1520.5	123.75	0.0719
LA-545 CARDINAL	485-AL1/63-ST1A	54 / 3.38	7 / 3.38	10.14	30.42	484.5	62.8	547.3	1831.1	149.04	0.0597
LA-635 FINCH	565-AL1/72-ST1A	54 / 3.65	19 / 2.19	10.95	32.85	565.0	71.6	636.6	2123.0	174.14	0.0512

ACSR İNGİLİZ STANDARTI / ENGLISH STANDARDS

BS EN 50182

Yeni Kod	Eski Kod	Nominal Kesit	Tel Sayısı ve Tel Çapı		Dış Çap	Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci	Akım Taşıma Kapasitesi
			Number and Wire Diameter			Cross Section						
New Code	Old Code	Nominal Section	Alüminyum	Çelik	Overall Diameter	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Strength	DC Resistance	Current Carrying Capacity
			Aluminium	Steel		Aluminium	Steel	Total				
-	-	-	mm	mm	mm	mm	mm	mm	kg / km	kN	ohm/km	A

11 - AL1/2 - ST1A	Mole	-	6/1.50	1/1.50	4.50	10.6	1.77	12.4	42.8	4.14	2.7027	67
21 - AL1/3 - ST1A	Squirrel	-	6/2.11	1/2.11	6.33	21.0	3.50	24.5	84.7	7.87	1.3659	109
26 - AL1/4 - ST1A	Gopher	25	6/2.36	1/2.36	7.08	26.24	4.38	30.62	106	9.61	1.0930	126
32 - AL1/5 - ST1A	Weasel	30	6/2.59	1/2.59	7.77	31.61	5.27	36.88	128	11.45	0.9077	134
37 - AL1/6 - ST1A	Fox	-	6/2.79	1/2.79	8.37	36.7	6.11	42.8	148.1	13.21	0.7812	147
42 - AL1/7 - ST1A	Ferret	40	6/3.00	1/3.00	9.00	42.41	7.07	49.48	172	15.20	0.6766	161
53 - AL1/9 - ST1A	Rabbit	50	6/3.35	1/3.35	10.05	52.88	8.82	61.70	214	18.35	0.5426	185
63 - AL1/11 - ST1A	Mink	-	6/3.66	1/3.66	11.00	63.1	10.50	73.6	254.9	21.67	0.4540	174
63 - AL1/37 - ST1A	Skunk	-	12/2.59	7/2.59	13.00	63.2	36.90	100.1	463.0	52.79	0.4568	246
73 - AL1/43 - ST1A	Horse	70	12/2.79	7/2.79	13.95	73.37	42.83	116.20	538	61.20	0.3936	268
75 - AL1/13 - ST1A	Beaver	-	6/3.99	1/3.99	12.00	75.0	12.50	87.5	302.9	25.76	0.3820	193
79 - AL1/13 - ST1A	Raccoon	-	6/4.10	1/4.10	12.30	78.8	13.10	92.4	318.3	27.06	0.3635	231
84 - AL1/14 - ST1A	Otter	-	6/4.22	1/4.22	12.70	83.9	14.00	97.9	338.8	28.81	0.3415	240
95 - AL1/16 - ST1A	Cat	-	6/4.50	1/4.50	13.50	95.4	15.90	111.3	385.3	32.76	0.3003	248
105 - AL1/17 - ST1A	Hare	-	6/4.72	1/4.72	14.20	105.0	17.50	122.5	423.8	36.04	0.2730	273
105 - AL1/14 - STA1	Dog	100	6/4.72	7/1.57	14.15	105.00	13.50	118.50	394	32.70	0.2733	278
131 - AL1/7 - ST1A	Tiger	-	30/2.36	7/2.36	16.50	131.2	30.60	161.8	602.2	57.87	0.2202	323
132 - AL1/14 - ST1A	Coyote	-	26/2.54	7/1.91	15.90	131.7	20.10	151.8	520.7	45.86	0.2192	311
132 - AL1/20 - ST1A	Cougar	-	18/3.05	1/3.05	15.30	131.5	7.31	138.8	418.8	29.74	0.2188	314
158 - AL1/31 - ST1A	Wolf	150	30/2.59	7/2.59	18.13	158.10	36.80	194.90	726	69.20	0.1828	355
159 - AL1/37 - ST1A	Dingo	150	18/3.35	1/3.35	16.75	158.70	8.80	167.50	506	35.70	0.1815	349
183 - AL1/9 - ST1A	Lynx	175	30/2.79	7/2.79	19.53	183.40	42.80	226.20	842	79.80	0.1576	386
184 - AL1/2 - ST1A	Caracal	175	18/3.61	1/3.61	18.05	184.30	10.20	194.50	587	41.10	0.1563	383
211 - AL1/4 - ST1A	Jaguar	200	18/3.86	1/3.86	19.30	210.60	11.70	222.30	671	46.55	0.1367	415
212 - AL1/3 - ST1A	Panther	200	30/3.00	7/3.00	21.00	212.10	49.20	261.50	974	92.25	0.1363	421
238 - AL1/5 - ST1A	Lion	-	30/3.18	7/3.18	22.30	238.3	55.60	293.9	1093.4	100.47	0.1213	448
264 - AL1/6 - ST1A	Bear	-	30/3.35	7/3.35	23.50	264.4	61.70	326.1	1213.4	111.50	0.1093	481
324 - AL1/7 - ST1A	Goat	-	30/3.71	7/3.71	26.00	324.3	75.70	400.0	1488.2	135.13	0.0891	542
374 - AL1/11 - ST1A	Antelope	-	54/2.97	7/2.97	26.70	374.1	48.50	422.6	1413.8	118.88	0.0773	588
375 - AL1/9 - ST1A	Sheep	-	30/3.99	7/3.99	27.90	375.1	87.50	462.6	1721.3	156.30	0.0771	592
382 - AL1/37 - ST1A	Bison	-	54/3.00	7/3.00	27.00	381.7	49.50	431.2	1442.5	121.30	0.0758	595
429 - AL1/43 - ST1A	Zebra	400	54/3.18	7/3.18	28.62	428.90	55.60	484.50	1621	131.90	0.0674	635
430 - AL1/13 - ST1A	Deer	-	30/4.27	7/4.27	29.90	429.6	100.20	529.8	1971.4	179.00	0.0673	639
477 - AL1/13 - ST1A	Elk	-	30/4.50	7/4.50	31.50	477.1	111.30	588.4	2189.5	198.80	0.0606	679
476 - AL1/14 - ST1A	Camel	-	54/3.35	7/3.35	30.20	476.0	61.70	537.7	1798.8	146.40	0.0608	677
528 - AL1/16 - ST1A	Moose	-	54/3.53	7/3.53	31.80	528.5	68.50	597.0	1997.3	159.92	0.0547	763

ACSR RUS STANDARDI / RUSSIAN STANDARDS

GOST (ГОСТ 839-80)

Kod	Tel Sayısı ve Tel Çapı		Çap		Kesit Alanı			Net Ağırlık (Yaklaşık)	Kopma Yüğü	D.A. Direnci
	Number and Wire Diameter		Diameter		Cross Section					
Code	Alüminyum	Çelik	İletken	Öz	Alüminyum	Çelik	Toplam	Net Weight (Approx)	Rated Stenght	DC Resistance
	Aluminium	Steel	Cond.	Core	Aluminium	Steel	Total			
-	mm	mm	mm	mm	kg / km	kN	ohm/km	kg / km	kN	ohm/km
10 / 1.8	6 / 1.50	1 / 1.50	4.5	1.5	10.60	1.77	12.37	42.7	4089	27.064
16 / 2.7	6 / 1.85	1 / 1.85	5.6	1.9	16.13	2.69	18.82	64.9	6220	17.818
25 / 4.2	6 / 2.30	1 / 2.30	6.9	2.3	24.93	4.15	29.08	100.3	9296	11.521
35 / 6.2	6 / 2.80	1 / 2.80	8.4	2.8	36.95	6.16	43.10	148	13524	0.7774
40 / 6.7	6 / 2.91	1 / 2.91	8.74	2.91	39.91	6.65	46.56	161.3	14400	0.7172
50 / 8.0	6 / 3.20	1 / 3.20	9.6	3.2	48.25	8.04	56.30	195	17112	0.5951
63 / 10.5	6 / 3.66	1 / 3.66	10.97	3.66	63.13	10.52	73.65	254	21630	0.4553
70 / 11	6 / 3.80	1 / 3.80	11.4	3.8	68.05	11.34	79.39	276	24130	0.4218
70 / 72	18 / 2.20	19 / 2.20	15.4	11	68.42	72.23	140.65	755	96826	0.4194
95 / 16	6 / 4.50	1 / 4.50	13.5	4.5	95.43	15.90	111.33	385	33369	0.3007
95/141	24 / 2.20	37 / 2.20	19.8	15.4	91.23	140.65	231.88	1357	180775	0.3146
100 / 16.7	6 / 4.61	1 / 4.61	13.82	4.61	100.15	16.69	116.84	403.2	34333	0.7868
120 / 19	26 / 2.40	7 / 1.85	15.2	5.6	117.62	18.82	136.44	471	41521	0.244
120 / 27	30 / 2.20	7 / 2.20	15.4	6.6	114.04	26.61	140.65	528	49465	0.2531
125 / 6.9	18 / 2.97	1 / 2.97	14.67	2.97	124.70	6.93	131.63	397.9	29167	0.2304
125 / 20.4	26 / 2.47	7 / 1.92	15.67	5.77	124.58	20.27	144.85	503.5	45694	0.2308
150 / 19	24 / 2.80	7 / 1.85	16.8	5.6	147.78	18.82	166.60	554	46307	0.2046
150 / 24	26 / 2.70	7 / 2.10	17.1	6.3	148.86	24.25	173.11	599	52279	0.2049
150 / 34	30 / 2.50	7 / 2.50	17.5	7.5	147.26	34.36	181.62	675	62643	0.2061
160 / 8.9	18 / 3.36	1 / 3.36	16.82	3.36	159.60	8.87	168.47	509.4	36178	0.18
160 / 26.1	26 / 2.80	7 / 2.18	17.74	6.53	160.10	26.13	186.22	644.5	57689	0.1803
185 / 24	24 / 3.15	7 / 2.10	18.9	6.3	187.04	24.25	211.28	705	58075	0.154
185 / 29	26 / 2.98	7 / 2.30	18.8	6.9	181.34	29.08	210.42	728	62055	0.1591
185 / 43	30 / 2.80	7 / 2.80	19.6	8.4	184.73	43.10	227.83	846	77767	0.1559
185 / 128	54 / 2.10	37 / 2.10	23.1	14.7	187.04	128.15	315.19	1525	183816	0.1543
200 / 11.1	18 / 3.76	1 / 3.76	18.81	3.76	199.87	11.10	210.97	636.7	44222	0.144
200 / 32.6	26 / 3.13	7 / 2.43	19.82	7.3	200.06	32.46	232.52	805.6	70134	0.1442
205 / 27	24 / 3.30	7 / 2.20	19.8	6.6	205.27	26.61	231.88	846	63740	0.1407
240 / 32	24 / 3.60	7 / 2.40	21.6	7.2	244.29	31.67	275.96	921	75050	0.1182
240 / 39	26 / 3.40	7 / 2.65	21.6	8	236.06	38.61	274.67	952	80895	0.1222
240 / 56	30 / 3.20	7 / 3.20	22.4	9.6	241.27	56.30	297.57	1106	98253	0.1197
300 / 39	24 / 4.00	7 / 2.65	24	8	301.59	38.61	340.20	1132	90574	0.0958
300 / 48	26 / 3.80	7 / 2.95	24.1	8.9	294.87	47.84	342.72	1186	100623	0.0978
300 / 66	30 / 3.50	19 / 2.10	24.5	10.5	288.63	65.81	354.44	1313	117520	0.1
300 / 67	30 / 3.50	7 / 3.50	24.5	10.5	288.63	67.35	355.98	1323	126270	0.1
300 / 204	54 / 2.65	37 / 2.65	29.2	18.6	297.84	204.07	501.91	2428	284579	0.0968
315 / 21.8	45 / 2.99	7 / 1.99	23.83	5.97	315.97	21.77	337.74	1039.2	79030	0.0917
315 / 51.3	26 / 3.93	7 / 3.05	24.87	9.16	315.39	51.14	366.53	1268.9	106834	0.0916
330 / 30	48 / 2.98	7 / 2.30	24.8	6.9	334.78	29.08	363.87	1152	88848	0.0861
330 / 43	54 / 2.80	7 / 2.80	25.2	8.4	332.51	43.10	375.61	1255	103784	0.0869
400 / 27.7	45 / 3.36	7 / 2.24	26.91	6.73	399.01	27.59	426.59	1319.7	93356	0.0722
400 / 51.9	54 / 3.07	7 / 3.07	27.64	9.21	399.73	51.82	451.54	1509.7	123037	0.0722
400 / 18	42 / 3.40	7 / 1.85	26	5.6	381.33	18.82	400.14	1199	85600	0.0758
400 / 51	54 / 3.05	7 / 3.05	27.5	9.2	394.53	51.14	445.68	1490	120481	0.0733
400 / 64	26 / 4.37	7 / 3.40	27.7	10.2	389.97	63.55	453.52	1572	129183	0.0741
400 / 93	30 / 4.15	19 / 2.50	29.1	12.5	405.80	93.27	499.06	1851	173715	0.0711
450 / 31.1	45 / 3.57	7 / 2.38	28.55	7.14	450.44	31.14	481.58	1484.6	107467	0.0646
450 / 58.3	54 / 3.26	7 / 3.26	29.32	9.77	450.73	58.43	509.16	1698.4	138417	0.0642
450 / 56	54 / 3.20	7 / 3.20	28.8	9.6	434.29	56.30	490.59	1640	131370	0.0666
500 / 34.6	45 / 3.76	7 / 2.51	30.09	7.52	499.67	34.64	534.30	1649.6	119407	0.0577
500 / 64.8	54 / 3.43	7 / 3.43	30.9	10.3	498.97	64.68	563.65	1887.1	153796	0.0578
500 / 26	42 / 3.90	7 / 2.20	30	6.6	501.73	26.61	528.34	1592	112548	0.0575
500 / 64	54 / 3.40	7 / 3.40	30.6	10.2	490.28	63.55	553.83	1852	148257	0.0588
550 / 71	54 / 3.60	7 / 3.60	32.4	10.8	549.65	71.25	620.91	2076	166164	0.0526
560 / 38.7	45 / 3.98	7 / 2.65	31.84	7.96	559.85	38.61	598.46	1847.5	133736	0.0515
560 / 70.9	54 / 3.63	19 / 2.18	32.7	10.9	558.85	70.92	629.77	2102.2	175592	0.0516
600 / 72	54 / 3.70	19 / 2.20	33.2	11	580.61	72.23	652.84	2170	183835	0.0498
630 / 43.6	45 / 4.22	7 / 2.81	33.79	8.44	629.40	43.41	672.81	2078.5	150453	0.0458
630 / 79.8	54 / 3.85	19 / 2.31	34.69	11.56	628.65	79.63	708.27	2365	191772	0.0459
710 / 49.1	45 / 4.48	7 / 2.99	35.86	8.96	709.35	49.15	758.50	2342.4	169559	0.0406
710 / 89.9	54 / 4.09	19 / 2.45	36.82	12.27	709.47	89.57	799.04	2665.3	216214	0.0407
800 / 101.3	54 / 4.34	19 / 2.61	39.09	13.03	798.85	101.65	900.50	3003.2	243520	0.0361



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)

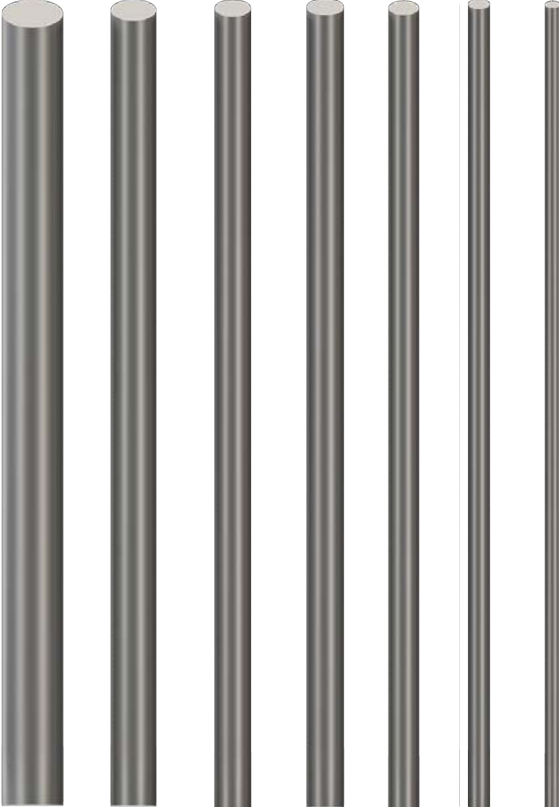




BAKIR VE ALÜMİNYUM TELLER
COPPER AND ALUMINIUM WIRES
260- 261



Alüminyum Filmaşın ve Teller Aluminium Rod and Wires



Alüminyum Teller

Kablo ve iletken üretiminde kullanılan Alüminyum Filmaşın son teknoloji tesislerimizde, yüksek kalitede, sürekli ve sıcak haddeleme yöntemiyle, tel çekmeye uygun, homojen yapıda, boşluksuz, damarsız, çatlaksız, temiz ve düzgün yüzeyli olarak kablo ve havai iletken lerinde yüksek mekanik ve elektriksel performans sağlayacak şekilde üretilmektedir.

Ürün Çap'ı : $9.5 \pm 0.5 - 12 \pm 0.5$ mm

Ambalaj : Alüminyum filmaşınlar müşteri isteğine uygun olarak 2 - 4 ton serbest döküm, 1 - 2 ton sıkı sarım olarak ağaç paletler üzerinde sevk edilir

Aluminium Wire

Cables and conductors used in the production of aluminum wire rod in our cutting edge facilities, high-quality, continuous hot rolling method, suitable for wire drawing, homogenous, clearance veinless, crack-free, clean and cable properly surfaced and manufactured to provide high mechanical and electrical performance in overhead conductors.

Product Diameter : $9.5 \pm 0.5 - 12 \pm 0.5$ mm

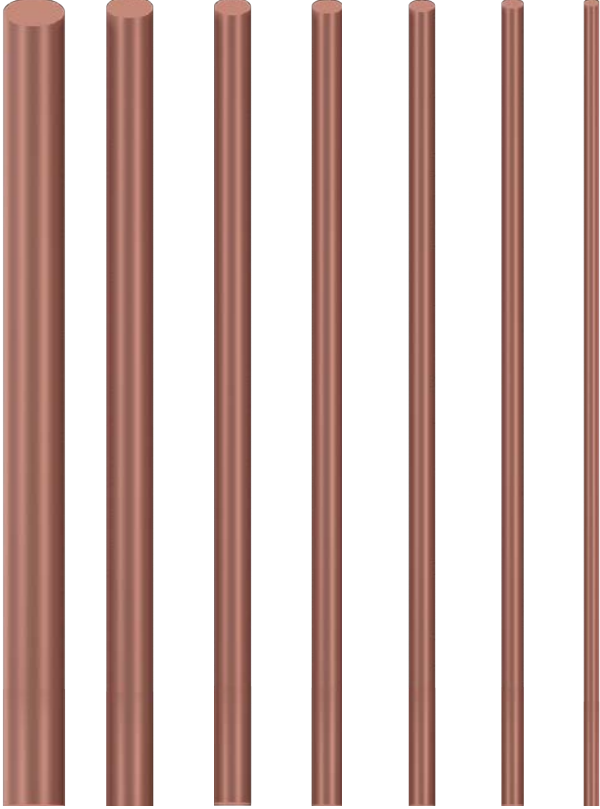
Packing : Aluminum wire rods according to customer's request 2 - 4 tons of free casting 1 - 2 tons shipped on tight turns as wood pallets.



Kimyasal Özellikler / Chemical Specifications: EN AW 1370 (EAI 99.7)

Al(%)	Fe(%)	Si(%)	Cu (%)	Zn(%)	Ti(%)	Mn(%)	Mg(%)	Cr(%)	B(%)
99.7	0.20	0.10	0.020	0.040	0.010	0.010	0.020	0.010	0.020

Bakır Filmaşın ve Teller Copper Rod and Wires



Çok Telli

Modern teknolojiye sahip makinelerde soğuk tel çekme yöntemiyle tavlı olarak inceltilecek çok telli ürünler . aynı anda 16 tele kadar 0.15 mm - 0.49 mm aralığında üretilerek DIN 630 luk demir makaralara sarılmaktadır. Bu ürünler kendi tesisimizde bükümlü tellerin giriş hammaddesi olarak kullanılabilir gibi. doğrudan da satılabilmektedir.

Multi Wire

Multi wire manufactured by annealing with a diameter range 0.15 mm – 0.49 mm up to 16 Ends in state of the art machinery is wound on iron DIN 630 spools. This product is served to direct sale or used in house requirement as inlet wire for bunching machines.

Tekli Bakır Teller

Kabatel makine grubunda siparişe göre tavlı ya da tavsız (sert) üretilen tek teller Tel Çekme tesisimizin diğer bölümlerinde girdi tel olarak kullanıldığı gibi çelik ve karton sepetler içinde. DIN 630 çelik makaralarda ambalajlanarak doğrudan satılmaktadır. Ortatel ve incetel makine grubunda üretilen teller çaplarına ve müşteri isteklerine bağlı olarak DIN 630 çelik makaralarda ve DIN 250 plastik makaralarda ambalajlanarak sevk edilmektedir. Çap 0.15 mm'den 3.50 mm'ye kadar tek tel üretimi yapılabilmektedir.

Bare Single Wire

Single wire (annealed / hard drawn) produced according to orders in rod break down machine is consumed for in-house requirements as raw material or served to direct sale packed in iron/carton baskets and on DIN 630 iron/wooden spools . Single wire manufactured in medium and fine size machinery group is packed according to customer specification and diameter on DIN 630 iron/wooden spools and DIN 250 plastic spools for delivery. Diameter range produced in our factory is 0.12 mm – 3.50 mm

Bükülü Bakır Teller

Tektel ve çoktelli tel çekme makinelerinde üretilen çıplak tavlı teller büküm makinelerinde girdi teli olarak kullanılır. Bu teller Single Twist ve Rijit Strander büküm makinelerinde müşteri isteği ve standartlar doğrultusunda 0.50 mm²'den 300 mm²'ye kadar kesitlerde kullanım yerine göre belirlenmiş geometrik yapılar ve hatvelerde bükülür DIN 630 çelik makaralara sarılarak sevk edilir.

Bunched Wire

The inlet single and multi wire are bunched in single twist and rigid stranders according to customer specifications (different lay lengths and geometric construction) with a cross section range from 0.50 mm² to 300 mm² and wound on iron DIN 630 spools and different size wooden drums for delivery.

Kimyasal Özellikler / Chemical Specifications: EN 13602

Sn	Zn	Pb	Fe	Ni	Al	P	Si	Mn	S	Co	Au	Ti	O	Cd	Bi	Cr	Sb	Mg	As	Se	Te	Ag	Be	Zr	B	Cu	H
2.0	1.0	5.0	10.0	10.0	2.0	3.0	2.0	0.5	15.0	1.0	-	-	5.0	1.0	1.0	1.0	4.0	1.0	5.0	2.0	2.0	25.0	-	-	-	% 99.99 min.	1.5
0.1	1.0	0.3	1.1	0.1	0.1	0.3	0.9	0.5	8.5	0.9	0.1	0.1	1.5	0.1	0.6	0.5	0.4	0.4	0.6	0.4	1.1	4.8	0.1	0.3	0.1	99.9973	0.66



EDIT Leader
(EXPERIENCE-DIFFERENCE-INNOVATIVE-TECHONOLGY)





TEKNİK BİLGİLER
TECHNICAL DATA
262 - 271



TEKNİK BİLGİLER

NYA - NYAF					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
0.5	100	200	4X6	532	60000
0.75	100	200	4X6	636	55200
1.0	100	200	4X6	687	48000
1.50	100	240	3X5	615	30000
2.5	100	240	3X5	847	27000
4.00	100	240	3X5	1030	22500
6.0	100	240	3X5	1145	18000
10.00	100	300	2X4	1135	10400
16.0	100	300	2X4	1308	8000
25.00	100	350	2X3	1079	4200

TTR					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
2 x 0.50	100	260	3X4	567	13200
2 x 0.75	100	300	2X4	622	10400
2 x 1	100	300	2X4	644	8800
2 x 1.5	100	300	2X4	640	8000
2 x 2.5	100	390	2X3	800	6600
2 x 4	100	390	2X3	866	5400
2 x 6	100	390	2X3	886	4200
3 x 0.50	100	300	2X4	643	12000
3 x 0.75	100	300	2X4	654	8800
3 x 1	100	300	2X4	660	8000
3 x 1.5	100	390	2X3	732	7200
3 x 2.5	100	390	2X3	899	6000
3 x 4	100	390	2X3	933	4200
3 x 6	100	390	2X3	918	3000
4 x 0.50	100	300	2X4	657	11200
4 x 0.75	100	300	2X4	602	7200
4 x 1.0	100	300	2X4	617	6400
4 x 1.5	100	390	2X3	842	6000
4 x 2.5	100	390	2X3	865	4200
4 x 4	100	390	2X3	852	3000
4 x 6	100	390	2X3	918	2400
5 x 0.50	100	300	2X4	635	8000
5 x 0.75	100	350	2X3	685	6000
5 x 1.0	100	350	2X3	665	5400
5 x 1.5	100	390	2X3	919	5400
5 x 2.5	100	390	2X3	768	3600
5 x 4	100	390	2X3	859	3000

NYM					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
2 x 1.5	100	390	2X3	721	6000
2 x 2.5	100	390	2X3	874	5400
2 x 4	100	390	2X3	1097	5400
2 x 6	100	390	2X3	1092	4200
3 x 1.5	100	390	2X3	756	5400
3 x 2.5	100	390	2X3	921	4800
3 x 4	100	390	2X3	1042	4200
3 x 6	100	390	2X3	1003	3000
4 x 1.5	100	390	2X3	895	5400
4 x 2.5	100	390	2X3	968	4200
4 x 4	100	420	2X3	1120	3600
* 4 x 6	100	390	2X3	1007	2400
5 x 1.5	100	390	2X3	947	4800
5 x 2.5	100	390	2X3	995	3600
5 x 4	100	390	2X3	942	2400
* 5 x 6	100	420	2X3	932	1800

KORDON					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
2X0.50	100	230	3X5	453	24000
2X0.75	100	240	3X5	649	24000
2X1	100	240	3X5	667	19500
2X1.5	100	280	2X4	369	8000

NYM - NYM					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
* 2x10	100	500	2+1+2	1132	2500
* 4x10	100	500	2+1+2	1725	2500
* 5x6	100	500	2+1+2	885	2500

TV KABLOSU					
Kablo Kesit	Uzunluk	Kangal Dış Çapı	Palet Dizilişi	Palet Ağırlığı	palet miktarı (m)
Cable Sections	Length	Coil Diameter	Palette Line-Up	Palette Weigth	Quantity Mt/Pallet
** RG6	100 PLS	300	3X4		9600
RG6 500	500 KNT	280	2X3		12000

* 100x120 geniş palet

** 4 lü şirink 2 Sıra



TEKNİK ÖZELLİKLER TECHNICAL DATA

TEKNİK BİLGİLER

MAKARA / REEL																
Kablo Çapı Cable Diameter	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	HACİM / VOLUMÉ															
	0.3028	0.3955	0.5006	0.7180	0.8688	1.1707	1.3740	1.5935	2.3175	2.6368	3.0923	3.5640	3.9710	5.4800	6.0417	6.6308
	MAKARA BOŞ AĞIRLIK / REEL GROSS															
	12	18	20	24	28	48	59	66	102	120	131	140	150	160	170	180

3.00	7930	9340	14060													
4.00	4460	5250	7910													
5.00	2850	3360	5060													
6.00	1980	2330	3510													
7.00	1450	1710	2580	3630												
8.00	1110	1310	1970	2780												
9.00	880	1030	1560	2200	2690											
10.00	710	840	1260	1780	2180	3190										
11.00	590	690	1040	1470	1800	2630										
12.00	490	580	870	1230	1510	2210	2730									
13.00	420	490	740	1050	1290	1880	2320	3140								
14.00	360	420	640	900	1110	1620	2000	2700								
15.00	310	370	560	790	970	1410	1740	2350	2730							
16.00	270	320	490	690	850	1240	1530	2070	2400	2830						
17.00	240	290	430	610	750	1100	1360	1830	2120	2500						
18.00	220	250	390	550	670	980	1210	1630	1890	2230						
19.00	190	230	350	490	600	880	1080	1470	1700	2000	2880					
20.00	170	210	310	440	540	790	980	1320	1530	1810	2600					
21.00	160	190	280	400	490	720	890	1200	1390	1640	2360					
22.00	140	170	260	360	450	650	810	1090	1270	1490	2150	2420				
23.00	130	150	230	330	410	600	740	1000	1160	1360	1960	2210				
24.00	120	140	210	300	370	550	680	920	1060	1250	1800	2030				
25.00	110	130	200	280	340	510	620	840	980	1150	1660	1870	2250			
26.00	100	120	180	260	320	470	580	780	910	1070	1540	1730	2080			
27.00		110	170	240	290	430	530	720	840	990	1420	1600	1930	2250		
28.00		100	160	220	270	400	500	670	780	920	1320	1490	1790	2090	2360	
29.00		100	150	210	250	370	460	630	730	860	1230	1390	1670	1950	2200	2390
30.00			140	190	240	350	430	580	680	800	1150	1300	1560	1820	2050	2230
31.00			130	180	220	330	400	550	640	750	1080	1220	1460	1700	1920	2090
32.00			120	170	210	310	380	510	600	700	1010	1140	1370	1600	1800	1960
33.00			110	160	200	290	360	480	560	660	950	1070	1290	1500	1700	1840
34.00			100	150	180	270	340	450	530	620	900	1010	1210	1420	1600	1740
35.00				140	170	260	320	430	500	590	840	950	1150	1340	1510	1640
36.00				130	160	240	300	400	470	550	800	900	1080	1260	1430	1550
37.00				130	150	230	280	380	440	520	760	850	1020	1190	1350	1470
38.00				120	150	220	270	360	420	500	720	810	970	1130	1280	1390
39.00				110	140	200	250	340	400	470	680	770	920	1070	1210	1320
40.00				110	130	190	240	330	380	450	650	730	880	1020	1150	1250
41.00				100	120	180	230	310	360	430	610	690	830	970	1100	1190
42.00				100	120	180	220	300	340	410	590	660	790	930	1050	1140
43.00					110	170	210	280	330	390	560	630	760	880	1000	1080
44.00					110	160	200	270	310	370	530	600	720	840	950	1040
45.00					100	150	190	260	300	350	510	570	690	810	910	990
46.00					100	150	180	250	290	340	490	550	660	770	870	950
47.00						140	170	240	270	320	470	530	630	740	830	910
48.00						130	170	230	260	310	450	500	610	710	800	870
49.00						130	160	220	250	300	430	480	580	680	770	830
50.00						120	150	210	240	280	410	460	560	650	740	800
51.00						120	150	200	230	270	400	450	540	630	710	770
52.00						110	140	190	220	260	380	430	520	600	680	740
53.00						110	130	180	210	250	370	410	500	580	650	710
54.00						100	130	180	210	240	350	400	480	560	630	690
55.00						100	120	170	200	230	340	380	460	540	610	660
56.00						100	120	160	190	230	330	370	440	520	590	640
57.00							120	160	180	220	320	360	430	500	570	610
58.00							110	150	180	210	300	340	410	480	550	590
59.00							110	150	170	200	290	330	400	470	530	570
60.00							100	140	170	200	280	320	390	450	510	550
61.00							100	140	160	190	270	310	370	440	490	540
62.00							100	130	160	180	270	300	360	420	480	520
63.00								130	150	180	260	290	350	410	460	500
64.00								120	150	170	250	280	340	400	450	490
65.00								120	140	170	240	270	330	380	430	470
66.00								120	140	160	230	260	320	370	420	460
67.00								110	130	160	230	260	310	360	410	440
68.00								110	130	150	220	250	300	350	400	430
69.00								110	120	150	210	240	290	340	380	420
70.00								100	120	140	210	230	280	330	370	410

TEKNİK BİLGİLER

Nominal İletken Kesiti	Nominal Gerilim / Nominal Voltage					
	0.6 / 1 kV		3.6 / 6 kV		6 / 10 kV	
Nominal cross section conductor	Çok Damar	1 Damar	3 Damar	1 Damar	3 Damar	1 Damar
	Multi core	1 Core	3 Core	1 Core	3 Core	1 Core
mm ²	Ohm / km	Ohm / km	Ohm / km	Ohm / km	Ohm / km	Ohm / km
25	0.082	0.103	0.107	0.137	0.122	0.127
35	0.079	0.098	0.101	0.131	0.116	0.119
50	0.078	0.095	0.097	0.127	0.114	0.113
70	0.075	0.90	0.092	0.117	0.107	0.107
95	0.075	0.088	0.088	0.112	0.103	0.104
120	0.073	0.085	0.085	0.107	0.099	0.100
150	0.073	0.084	0.083	0.105	0.096	0.097
185	0.073	0.084	0.081	0.102	0.093	0.094
240	0.072	0.082	0.078	0.097	0.089	0.093
300	0.072	0.081	0.077	0.095	0.087	0.091
400	-	0.079	-	0.092	-	0.088
500	-	0.079	-	0.089	-	0.085

XLPE İzoleli Kabloların 50 Hz.deki İndüktif Reaktansları

Inductive Reactance at 50 Hz of XLPE Insulated Cable


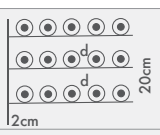
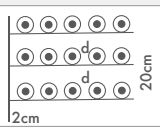

Nominal İletken Kesiti	Nominal Gerilim / Nominal Voltage									
	0.6 / kV		6 / 10 kV		8.7 / 15 kV		12 / 20 kV		18 / 30 kV	
Nominal cross section conductor	1 Damar	Çok Damar	1 Damar	Çok Damar	1 Damar	Çok Damar	1 Damar	1 Damar	1 Damar	Çok Damar
	1 Core	Multi core	1 Core	Multi core	1 Core	Multi core	1 Core	1 Core	1 Core	Multi core
mm ²	W / km	W /km	W / km	W /km	W / km	W /km	W / km	W / km	W / km	W /km
35	-	0.075	0.133	-	0.139	-	0.144	-	-	-
50	0.088	0.072	0.127	0.110	0.132	0.117	0.137	0.123	0.146	0.135
70	0.085	0.072	0.119	0.103	0.124	0.110	0.129	0.115	0.137	0.127
95	0.082	0.069	0.114	0.099	0.118	0.105	0.123	0.110	0.131	0.121
120	0.082	0.069	0.109	0.095	0.114	0.101	0.118	0.106	0.125	0.116
150	0.082	0.069	0.106	0.092	0.110	0.098	0.114	0.102	0.121	0.113
185	0.082	0.069	0.102	0.090	0.106	0.095	0.110	0.099	0.117	0.109
240	0.079	0.069	0.098	0.087	0.102	0.091	0.105	0.095	0.112	0.104
300	-	-	0.095	0.084	0.099	0.089	0.102	0.092	0.108	0.101
400	-	-	0.091	-	0.095	-	0.098	-	0.103	-
500	-	-	0.089	-	0.092	-	0.094	-	0.100	-

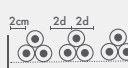
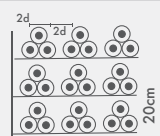
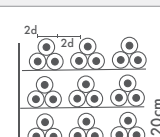

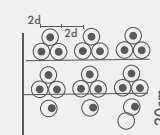
TEKNİK BİLGİLER

Kabloların Döşeme Şekli Installation Method of cable	Kablolar Arasında Kablo Çapı Kadar Mesafe Olması Durumunda Duvara Uzaklığı 2 cm Distance Between Two Cables Cable Diameter From The Wall 2 cm						
Sistem Sayısı Number of systems	1	2	3	6	9		
Toprağa Serilmiş Ground Laid	0.95	0.9	0.88	0.85	0.84		
Kablo Raflarında Kötü Havalandırma Cable Rack in bad ventilation	Kablo Kanalı Deliksiz Cable Channel Holeless						
	1	0.95	0.9	0.88	0.85	0.84	
	2	0.9	0.85	0.83	0.81	0.8	
	3	0.88	0.83	0.81	0.79	0.78	
Kablo Raflarında İyi Havalandırma Good ventilation in Cable Rack	Kablo Kanalı Delikli Cable Channel Holey						
	1	1	0.98	0.96	0.93	0.92	
	2	1	0.95	0.93	0.9	0.89	
	3	1	0.94	0.92	0.89	0.88	
Duvara Üst Üste Kablo Döşenmesi Durumunda Stacked Wall Cable Laying Case	1	0.93	0.9	0.87	0.86		
Düzeltilme Faktörü Uygulanmayan Döşeme Şekli Correction Factor Inapplicable Floor Type							

Kabloların Döşeme Şekli Installation Method of cable	Duvardan Başlayıp Yan Yanı Dizilmesi Durumunda. Duvara Uzaklığı 2 cm Systems Installed Side by Side Starting From The Wall Distance 2 cm						
Sistem Sayısı Number of systems	1	2	3	6	9		
Toprağa Serilmiş Ground Laid	0.90	0.84	0.80	0.75	0.73		
Kablo Raflarında Kötü Havalandırma Cable Rack in bad ventilation	Kablo Kanalı Deliksiz Cable Channel Holeless						
	1	0.95	0.84	0.80	0.75	0.73	
	2	0.95	0.80	0.76	0.71	0.69	
	3	0.95	0.78	0.74	0.70	0.68	
Kablo Raflarında İyi Havalandırma Good ventilation in Cable Rack	Kablo Kanalı Delikli Cable Channel Holey						
	1	0.95	0.84	0.80	0.75	0.73	
	2	0.95	0.80	0.76	0.71	0.69	
	3	0.95	0.78	0.74	0.70	0.68	
Duvara Üst Üste Kablo Döşenmesi Durumunda Stacked Wall Cable Laying Case	0.95	0.78	0.73	0.68	0.66		
Düzeltilme Faktörü Uygulanmayan Döşeme Şekli Correction Factor Inapplicable Floor Type							

TEKNİK BİLGİLER

Kabloların Döşeme Şekli <i>Installation Method of cable</i>	Kablolar Arasında Kablo Çapı Kadar Mesafe Olması Durumunda Duvara Uzaklığı 2 cm <i>Distance Between Two Cables Cable Diameter From The Wall 2 cm</i>				
Sistem Sayısı <i>Number of systems</i>		1	2	3	
Toprağa Serilmiş <i>Ground Laid</i>		0.92	0.89	0.88	
Kablo Raflarında Kötü Havalandırma <i>Cable Rack in bad ventilation</i>	Kablo Kanalı Deliksiz <i>Cable Channel Holeles</i>				
	1	0.92	0.89	0.88	
	2	0.87	0.84	0.83	
	3	0.84	0.82	0.81	
6	0.82	0.80	0.79		
Kablo Raflarında iyi Havalandırma <i>Good ventilation in Cable Rack</i>	Kablo Kanalı Delikli <i>Cable Channel Hole</i>				
	1	1.00	0.97	0.96	
	2	0.97	0.94	0.93	
	3	0.96	0.93	0.92	
6	0.94	0.91	0.90		
Duvara Üst Üste Kablo Döşenmesi Durumunda <i>Stacked Wall Cable Laying Case</i>		0.94	0.91	0.90	

Kabloların Döşeme Şekli <i>Installation Method of cable</i>	Kablolar Arasında Kablo Çapı Kadar Mesafe Olması Durumunda Duvardan Duvara Uzaklığı 2 cm <i>Distance Between Cables Cable Diameter Up Case 2 cm Wall to Wall Distance</i>				
Sistem Sayısı <i>Number of systems</i>		1	2	3	
Toprağa Serilmiş <i>Ground Laid</i>		0.95	0.90	0.88	
Kablo Raflarında Kötü Havalandırma <i>Cable Rack in bad ventilation</i>	Kablo Kanalı Deliksiz <i>Cable Channel Holeles</i>				
	1	0.95	0.90	0.88	
	2	0.90	0.85	0.83	
	3	0.88	0.83	0.81	
6	0.86	0.81	0.79		
Kablo Raflarında iyi Havalandırma <i>Good ventilation in Cable Rack</i>	Kablo Kanalı Delikli <i>Cable Channel Hole</i>				
	1	1.00	0.98	0.96	
	2	1.00	0.95	0.93	
	3	1.00	0.94	0.92	
6	1.00	0.93	0.90		
Duvara Üst Üste Kablo Döşenmesi Durumunda <i>Stacked Wall Cable Laying Case</i>		0.89	0.86	0.84	
Düzeltilme Faktörü Uygulanmayan Döşeme Şekli <i>Correction Factor Inapplicable Floor Type</i>					

TEKNİK BİLGİLER

AWG Telleri / Wires			AWG Bükülü / Stranded		
AWG no.	Tel / Wire Ø mm	Kesit / Section mm ²	AWG no.	Kesit / Section mm ²	Tel / Wire Ø mm
40	0.079	0.005	38	0.009	7x0.040
39	0.089	0.006	36	0.014	7x0.051
38	0.102	0.008	34	0.022	7x0.064
37	0.114	0.010	32	0.034	7x0.080
36	0.127	0.013	32	0.035	19x0.051
35	0.142	0.016	30	0.057	7x0.102
34	0.160	0.020	30	0.059	19x0.064
33	0.180	0.026	28	0.089	7x0.127
32	0.203	0.032	28	0.090	19x0.080
31	0.226	0.040	26	0.141	7x0.160
30	0.254	0.051	26	0.155	19x0.102
29	0.287	0.065	24	0.227	7x0.203
28	0.320	0.080	24	0.241	19x0.127
27	0.363	0.101	22	0.355	7x0.254
26	0.404	0.128	22	0.382	19x0.160
25	0.455	0.162	20	0.563	7x0.320
24	0.511	0.205	20	0.616	19x0.203
23	0.574	0.259	18	0.897	7x0.404
22	0.643	0.324	18	0.963	19x0.254
21	0.724	0.412	16	1.229	19x0.287
20	0.813	0.519	14	1.941	19x0.361
19	0.912	0.653	12	3.085	19x0.455
18	1.024	0.823	10	5.26	19x0.60
17	1.151	1.040	8	8.35	19x0.75
16	1.290	1.303	6	13.29	19x0.96
15	1.450	1.652	4	21.14	19x1.19
14	1.628	2.082	2	33.61	19x1.50
13	1.829	2.627	1	42.38	19x1.686
12	2.052	3.308	1/0	53.47	19x1.89
11	2.304	4.168	2/0	67.40	19x2.126
10	2.588	5.262	4/0	107.17	19x2.68
9	2.906	6.632	250 MCM	127.0	37x2.09
8	3.268	8.387	300 MCM	152.0	37x2.29
7	3.665	10.551	350 MCM	177.3	37x2.47
6	4.115	13.289	400 MCM	202.7	37x2.64
5	4.620	16.766	500 MCM	253.4	37x2.95
4	5.189	21.149	600 MCM	304.0	61x2.52
3	5.827	26.665	650 MCM	329.0	61x2.62
2	6.543	33.624	700 MCM	354.7	61x2.72
1	7.348	42.409	750 MCM	380	61x2.82

Kablo İletkenlerinin Kesitlerine Göre İletken Direnci 20 °C'de Conductor Resistance at 20 °C by The Cross Section Of The Cable Conductor

Kesit / Section mm ²	Bakır / Copper				Alüminyum / Aluminum	
	Kalaylı Bakır Tel / Tinned Copper Wire		Çıplak Bakır Tel / Bare Copper Wire		Çıplak Alüminyum Tel / Bare Aluminum Wire	
	Sınıf / Class	Sınıf / Class	Sınıf / Class	Sınıf / Class	Sınıf / Class	Sınıf / Class
	1 - 2	5 - 6	1 - 2	5 - 6	1	2
Ohm / km	Ohm / km	Ohm / km	Ohm / km	Ohm / km	Ohm / km	
0.5	36.7	40.1	36.0	39.0	-	-
0.75	24.8	26.7	24.5	26.0	-	-
1.0	18.2	20.0	18.1	19.5	-	-
1.5	12.2	13.7	12.1	13.3	-	-
2.5	7.56	8.21	7.41	7.98	-	-
4.0	4.70	5.09	4.61	4.95	-	-
6.0	3.11	3.39	3.08	3.30	-	-
10.0	1.84	1.95	1.83	1.91	-	-
16.0	1.16	1.24	1.15	1.21	-	1.91
25.0	0.734	0.795	0.727	0.780	1.20	1.20
35.0	0.529	0.565	0.524	0.554	0.868	0.868
50.0	0.391	0.393	0.387	0.386	0.641	0.641
70.0	0.270	0.277	0.268	0.272	0.443	0.443
95.0	0.195	0.210	0.193	0.206	0.320	0.320
120.0	0.154	0.164	0.153	0.161	0.253	0.253
150.0	0.126	0.132	0.124	0.129	0.206	0.206
185.0	0.100	0.108	0.099	0.106	0.164	0.164
240.0	0.0762	0.0817	0.0754	0.0801	0.125	0.125
300.0	0.0607	0.0654	0.0601	0.0641	0.100	0.100
400.0	0.0475	0.0495	0.0470	0.0486	-	0.0778
500.0	0.0369	0.0391	0.0366	0.0384	-	0.0605
630.0	0.0286	0.0292	0.0283	0.0287	-	0.0469

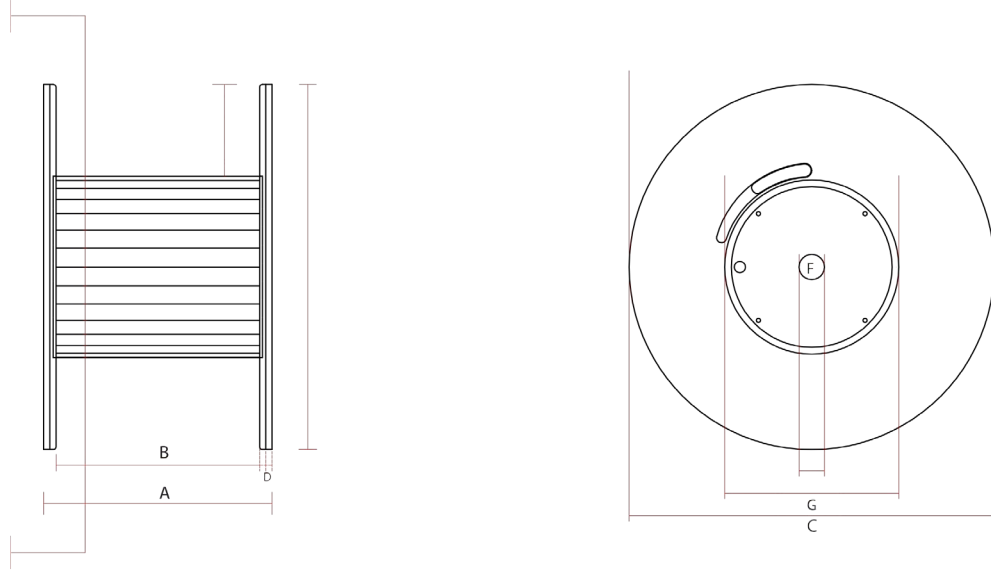
Sınıf 1 = Tek ve çok damarlı kablolar için som bakır iletken
Sınıf 2 = Tek ve çok damarlı kablolar için çoklu bakır iletken

Sınıf 5 = Tek ve çok damarlı kablolar için çok telli bükülü bakır iletken
Sınıf 6 = Tek ve çok damarlı kablolar için çok telli ekstra bükülü bakır iletken

TEKNİK BİLGİLER

Harmonize Tip / Harmonized Type	H								
Ulusal Tip / National Type	A								
Anma Gerilimi / Rated Voltage U_0/U									
100/100 V	01								
300/300 V	03								
300/500 V	05								
450/750 V	07								
Yalıtkan (Insulation)/Dış Kılıf (Outer Sheath)									
Etilen Propilen Kauçuk / Ethylene Propylene Rubber (EPR)	B								
Etilen Vinil Asetat / Ethylene Vinyl Acetate (EVA)	G								
Cam Elyaf Örgü / Glass Fibre Braiding	J								
Mineral / Mineral	M								
Polikloropren / Poly Chloro Pren (PCP)	N								
Polikloropren Özel Bileşik (HD 22.6)	N2								
Polychloroprene Special Compound (HD 22.6)									
Klorosülfenated Polietilen (CSP)	N4								
Chlorosulphanated Polyethylene (CSP)									
Suya Dayanıklı Özel Polikloropren (PCP)	N8								
Water-resistant Special Polychloroprene (PCP)									
Poliüretan/Polyurethane	Q								
Polyamid/Polyamide	Q4								
Doğal Kauçuk / Natural Rubber	R								
Silikon Kauçuk / Silicone Rubber	S								
Tekstil Örgü / Textile Braiding	T								
Polivinilklorür / Polyvinilchloride(PVC)	V								
90 °C Çalışma Sıcaklığına Dayanıklı Polivinilklorür (PVC)	V2								
90 °C Ambient Temperature-resistant Polyvinilchloride (PVC)									
Düşük Sıcaklıklara Dayanıklı Polivinilklorür (PVC)	V3								
Low-temperature Resistant Polyvinilchloride(PVC)									
Çapraz Bağlı (Vulkanize) Polivinilklorür (XLPVC)	V4								
Cross-Linked (Vulcanized) Polyvinilchloride (XLPVC)									
Yağa Dayanıklı Polivinilklorür (PVC)	V5								
Oil-Resistant Polyvinilchloride (PVC)									
Polietilen Bazlı Yandıığında Korozif Gaz Çıkarmayan	Z								
Düşük Duman Yoğunluklu Çapraz Bağlı (Vulkanize) Bileşik									
Polyethylene Based, No Corrosive Gas Creating While									
Burning, Low Smoke Density Cross Linked (Vulcanized)									
Polietilen Bazlı Yandıığında Korozif Gaz Çıkarmayan	Z1								
Düşük Duman Yoğunluklu Termoplastik Bileşik									
Polyethylene Based, No Corrosive Gas Creating While									
Burning, Low Smoke Density Thermoplastic Compound									
Metalik Ekran / Metallic Screen									
Konsantrik Bakır Tel / Concentric Copper Wire	C								
Bakır Tellerden Çorap Örgü / Copper Wire Braiding	C4								
Yapısal Özellikler / Constructional Features									
Ayrılabilir Yassı Kablolar (Kılıflı veya Kılıfsız)	H								
Divisible Flat Cables (Sheathed or unsheathed)									
Ayrılamayan Yassı Kablolar (Kılıflı)	H2								
Undivisible Flat Cables (Sheathed)									
Üç veya Daha Fazla Damarı Olan Yassı Kablolar	H6								
Three or More Cored Sheathed Flat Cables									
İletken Yapısı / Conductor Structure									
Tek Tellî (Klas 1) / Solid (Class 1)	U								
Çok Tellî (Klas 2) / Stranded (Class 2)	R								
Sabit Tesis İçin İnce Çok Tellî Bükülgen (Klas 5)	K								
Fine-stranded Flexible for Fixed Installations (Class 5)									
Hareketli Tesis İçin İnce Çok Tellî Bükülgen (Klas 5)	F								
Fine-stranded Flexible for Mobile Installations (Class 5)									
Yüksek Derecede Bükülgenlik Gerektiren Bükülgen (Klas 6)	H								
High Twistable Flexible (Class 6)									
Gelin Teli Biçiminde İletken	Y								
Tinsel Conductor									
Damar Sayısı / No of Cores									
Yeşil / Sarı Damarı Yok / Without Green / Yellow Core	..								
Yeşil / Sarı Damarlı / With Green / Yellow Core	X								
	G								
İletken Kesiti / Rated Cross-section of Conductor (mm²)	..								

TEKNİK BİLGİLER



MAKARA / REEL	A	B	C	D	E	F	HACİM / VOLUE
500	617	545	500	18 + 18	220	90	0.1543
600	617	545	600	18 + 18	350	90	0.2221
700	618	530	700	22 + 22	350	90	0.3028
800	618	530	800	22 + 22	350	90	0.3955
900	618	530	900	22 + 22	420	90	0.5006
1000	718	630	1000	22 + 22	470	90	0.718
1100	718	630	1100	22 + 22	500	90	0.8688
1200	813	725	1200	22 + 22	560	90	1.1707
1300	813	725	1300	22 + 22	620	90	1.374
1400	813	725	1400	22 + 22	650	90	1.5935
1500	1030	910	1500	30 + 30	640	90	2.3175
1600	1030	910	1600	30 + 30	700	90	2.6368
1700	1070	950	1700	30 + 30	780	90	3.0923
1800	1100	960	1800	35 + 35	780	90	3.564



SEMBOLLER

Damar : Damar.kablonun yalıtılmış olan iletkenidir.
Dairesel Kablo : Dairesel kablo.damar iletkeni kesidi daire biçimli(yuvarlak)olan kablodur.
Kesme(Sektör)Kablo : Kesme(sektör)kablo. damar iletkeni kesidi daire kesmesi biçimli olan kablodur.
Çok Damarlı Kablo : Çok damarlı kablo. damar sayısı birden çok olan kablodur.
Bireysel Siperli Kablo : Bireysel siperli kablo. her damarı üzerinde metal siper bulunan kablodur.
Kör Damar : Kör damar.çok damarlı kablolarda damarlar arası boşlukları doldurmak ve kabloya uygun bir biçim verilmesini kolaylaştırmak için kullanılan yalıtkan malzemeden yapılmış iletkeniz damardır.
Tel : Tel. tüm uzunluk boyunca çapı sabit kalacak veya önceden belirlenen tolerans sınırları içinde değişme gösterecek biçimde ve dairesele kesitli olarak çekilmiş ince.uzun ve som bir metaldir.
İletken : İletken.elektrik enerjisini iletmeye yarayan tel veya tel demetidir.
Damar iletkeni : Damar iletkeni. damarın özünü oluşturan iletkenidir.
Sıkıştırılmış İletken : Sıkıştırılmış iletken.tellerin arasındaki boşlukları azaltmak.iletken çapının ve kesitin geometrik boyutlarını küçültmek için sıkıştırılmış olan çok telli. burulmuş(halat biçimli)bir iletkenidir.
Düşük Kesitli İletken : Düşük kesitli iletken. kesiti kablo faz iletkeni kesitinden küçük olan iletkenidir.
Konsantrik İletken : Konsantrik iletken.bir damarlı kablolarda yalıtkan kılıfın(gerektiğinde yarı iletken siperin)çok damarlı kablolarda.genel olarak ortak kılıfın üzerine gelen. bakır tel veya bakır şeritlerin oluşturduğu. kablo boyunca helisel biçimli bir sargıdır.
Kılıf : Kılıf.iletkeni elektrikselle bakımından yalıtılmak.mekanik ve hafif kimy- asal etkilerden korumak amacı ile kullanılan. iletkeni. damarı veya damarları içine alan bir gömlektir.
Yalıtkan Kılıf : Yalıtkan kılıf.damar iletkenini yalıtkan bir kılıftır.
Dolgu : Dolgu.çok damarlı kablolarda damar demetini içine alan ve damar demetine istenilen çevre biçimini vermeye yarayan kılıftır.
Ayırıcı Kılıf : Ayırıcı kılıf.üst üste gelen.ayrı metaller arasına konulan yalıtkan kılıftır.
Dış Kılıf : Dış kılıf.kabloyu dış etkenlerden koruyan ve kablonun en dışında bulunan kılıftır.
Zırh : Kabloyu mekanik etkilerden koruyan yassı veya yuvarlak tellerle yapılmış örgü veya sargıdır.
Yarı iletken Siper : Yarı iletken siper. damar iletkeni ile yalıtkan kılıf arasına ve yalıtkan kılıfın üzerine gelen.yarıiletken maddeden yapılmış bir kılıf. sargı veya tabakadır.
Metal Siper : Metal siper.her damarın veya ortak kılıfın üzerine gelen bakır tel veya şeritten yapılmış bir sargıdır.
Tutucu Sargı : Tutucu sargı.metal siperin veya zırhın üzerinde bulunan ve bunların dağılmasını önleyen.bakır veya da galvaniz çelik şeritlerle yapılmış sargı veya sargılardır.

621	0276	
A		A Alüminyum iletken
V	Y	PVC termoplastik yalıtkan veya kılıf
S	S	Siper
SH	SE	Her damar üzerinde siper
M	C	Konsantrik iletken
E	2Y	Polletilen
E3	2X	Çapraz bağlı polletilen
Ş	F	Galvanizli yassı çelik tellerden yapılmış zırh
O	R	Galvanizli yuvarlak çelik tellerden yapılmış zırh
G		Çelik tutucu şerit(Ş ve O için)
s	s	Daire kesmesia kesitli iletken.daire dilimli kesitli iletken)
ş	v	Sıkıştırılmış iletken(bu kablolar çok telli olduklarından "ş" harfinin kullanıldığı yerde "ç" kullanılmaz)
ç	rm	Çok telli iletken
W		Sıcağa ve korozyona dayanıklı
0250		
Y		PVC termoplastik yalıtkan
S		Metal siper
G		Lastik yalıtkan
2G		Sıcağa dayanıklı
W		Açık hava şartlarına dayanıklı
u		Alev geciktirici
AF		Burulmuş kablo
B		Metal kılıf(kursun kılıf)
T		Taşıyıcı ip.tel ve benzeri
ö		Yağa dayanıklı
J		Yeşil/Sarı koruma iletkeni

KABLO DAMAR RENKLERİ / CABLE CORE COLORS

	2		
	3		
	4		
	5		
	5>		

NY
NYY
YVZ2V
YAVZ2V
YAVZ3V
YVZ3V
N2XRY
N2XH
NA2XH
N2XY
NA2XY

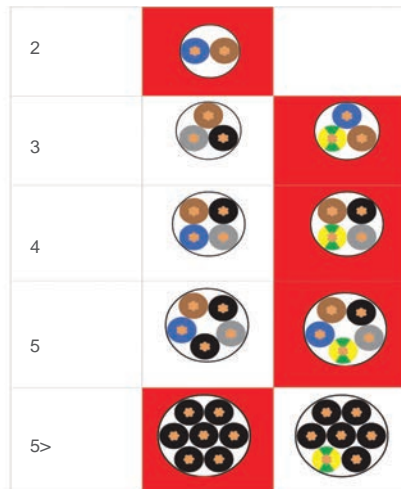
VDE Explanation

621	0276	
A	A	Aluminum conductor
V	Y	PVC thermoplastic insulator or sheath
S	S	Shield
SH	SE	Shield on each core
M	C	Concentric conductor
E	2Y	Polyethylene
E3	2X	Cross-linked polyethylene
Ş	F	Armour made of galvanized flat steel wires
O	R	Armour made of galvanized round steel wires
G		Steel holding tape (for F and R)
s	s	Segment (sector-shaped conductor)
ş	v	Compacted conductor (since these cables have multiple conductors, letter "ç" is not used wherever "Ş" is used)
ç	rm	Stranded conductor
	W	Resistant to heat and corrosion
	0250	
	Y	PVC thermoplastic insulation
	S	Metallic shield
	G	Rubber insulation
	2	Resistant to heat
	W	Resistant to open air conditions
	u	Flame retardant
	AF	Twisted cable
	B	Metal sheath (lead sheath)
	T	Pilot core as textile, steel or similar
	ö	Resistant to oil
	J	Green/Yellow protective conductor

Core : Insulated conductor in cable.
Circular Cable : Cable with conductor having a circular core cross section.
Sectoral Cable : Cable with conductor having a sectoral core cross section.
Multi-Core Cable : Cable with two or more cores.
Individual Shielded Cable: Cable with metal shield on each core.
Blind Core : Strings made of insulating material to fill the gap between cores and to give a proper overall shape to multi-core cables.
Wire : Wire is a thin, solid product with a circular cross-section of constant diameter along its whole length within predetermined tolerance limits.
Conductor : Energy carrying solid or stranded wires.
Core Conductor : The conductor inside the core.
Compacted Conductor : A multiple wired, twisted (rope-shaped) conductor, which was compacted to squeeze out gaps between wires and to reduce geometrical dimensions of the conductor diameter and the cross-section.
Conductor With Reduced Cross-Section : Conductor with smaller cross-section than the cross-section of the cable phase conductor.
Concentric Conductor: A helical-shaped coil along the cable, which is composed of copper wires or copper tapes, coming over the insulator sheath (semi-conductor shield when required) at single core cable and generally coming over the common sheath at multi core cables.
Sheath : Outer cover of a conductor containing the conductor, the core or cores which is used for electrical insulation and protection it from mechanical impacts and chemical actions.
Insulating Sheath : A sheath, which is used for insulating core conductor.
Filling : Insulating material to fill voids in core bundles and give desired overall shape to multi-core cables.
Separating Sheath : Insulating material between metallic components of cable construction.
Outer Sheath : Outer sheath protects the cable from external impacts.
Armour : A braid or coil made of flat or round steel wires or tapes which protects the cable from mechanical impacts.
Semi-conductor Shield : A sheath, coil or layer made of semi-conductor material, which adheres between the conductor core and the insulating sheath, and on the insulating sheath.
Metallic Shield : A coil made of copper wires or tapes, which adheres on each core or the common sheath.
Helix Tape : Coil or coils made of copper or galvanized steel surrounding metallic shield or armour to keep them firmly in place

KABLO DAMAR RENKLERİ / CABLE CORE COLORS

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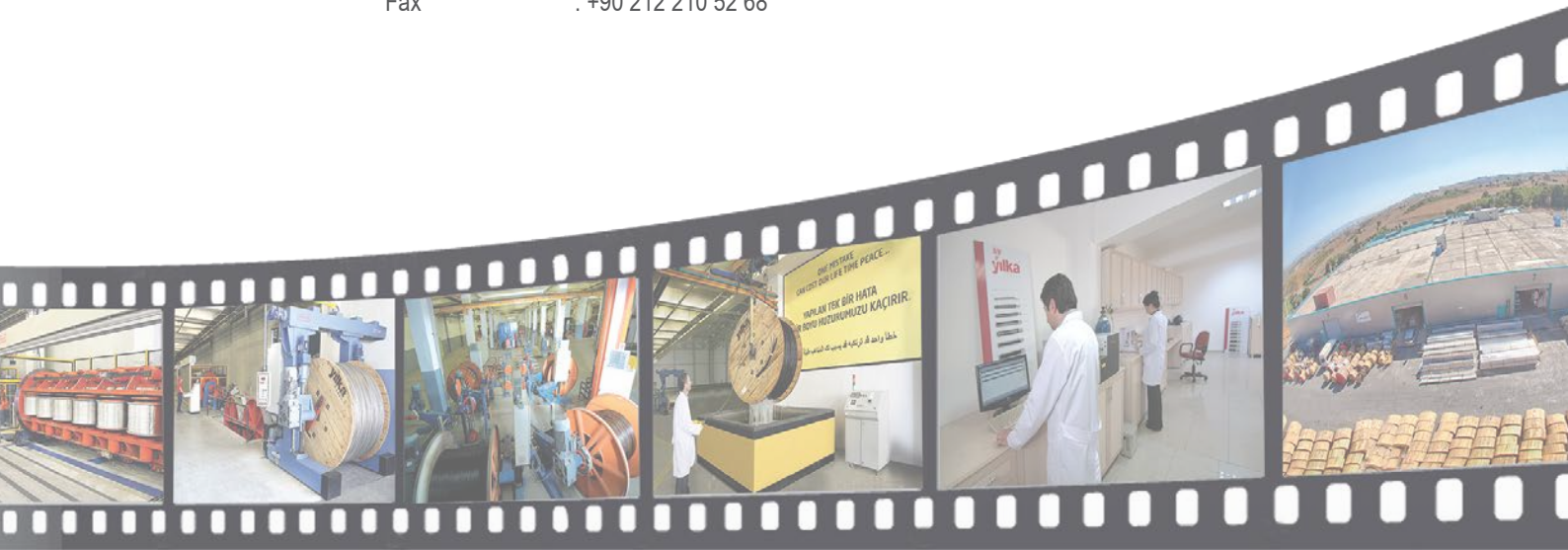
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