

iNKACABLE

LOW VOLTAGE PRODUCT CATALOG



iNKACABLE



COMPANY PROFILE

INTEKAR GLOBAL Corporation was established in 2020 with the purpose of producing power cables, aiming to meet the needs of both domestic and international markets with high-quality products.

INTEKAR GLOBAL Corporation - Product Portfolio:

- 300/300 Volt Installation Cables
- 300/500 Volt Installation Cables
- 450/750 Volt Installation Cables
- 600/1000 Volt Copper and Aluminum Low Voltage Power Cables
- 0.6/1 kV AC & 1.8 kV DC Solar Energy Cables
- HFFRLS 0.6/1 kV Copper and Aluminum Low Voltage Power Cables
- 1.8/3 kV Copper and Aluminum Low Voltage Power Cables
- 6/10 kV, 12/20 kV, 18/30 kV and 20.3/35 kV Copper and Aluminum Medium Voltage Power Cables
- 600/1000 Volt Copper and Aluminum Overhead Line (ABC & NFA2X) Power Cables
- Bare or Insulated Overhead Copper and Aluminum Power Cables and Conductors
- Bare and Braided Overhead Line Copper and Aluminum Conductors
- PVC Granules for Plumbing and Power Cables
- Wooden Reels for Plumbing and Power Cables

With integrated facilities covering a total area of 170.000 m², including 45.000 m² of covered space, the company manufactures energy cables, overhead line conductors, granules, and wooden spools. Production is carried out by highly skilled personnel with extensive expertise in their respective fields, utilizing modern manufacturing technologies and complying with TSE, VDE, IEC standards, as well as other customer-specific requirements.

INTEKAR GLOBAL Corporation operates with a team of qualified experts whose knowledge and experience ensure full compliance with the requirements of the TS EN ISO 9001 Quality Management System, TS EN ISO 14001 Environmental Management System, and TS EN ISO 45001 Occupational Health and Safety Management System.

In our company's laboratories, cables manufactured in accordance with the above-mentioned standards are inspected and tested using modern inspection and testing equipment.

INTEKAR GLOBAL Corporation will continue to offer quality products to its customers by constantly and closely following the developing technology, in close cooperation with the customers, to meet evolving demands.

INTEGRATED MANAGEMENT SYSTEM POLICY

"To provide products and services that maximize value for our customers We aim to be a leading organization in our sector by prioritizing product quality, supporting a productive work environment for our employees, and embracing the latest technological advancements." has been determined as our quality policy.

"Committed to continuously developing processes in compliance with legal requirements, conserving natural resources, optimizing the use of raw materials and energy, and promoting recycling and reuse. We strive to create a more sustainable environment for future generations while educating and raising awareness among our employees about environmental responsibility." has been determined as our Environmental Policy.

"By minimizing risks that may threaten the health and safety of our employees, we are committed to continuous development and learning to ensure safe working conditions and to prevent work-related accidents and occupational diseases."

Our Occupational Health and Safety (OHS) Policy is defined as follows:

"Our main policy is to prioritize environmental care and the well-being of our workers, ensure occupational health and safety, enhance customer satisfaction, comply with all applicable legal requirements, and pursue continuous development and improvement."

iNKACABLE

iNTEKAR
GLOBAL
Corporation





Registration Certificate

This is to certify that The Management Systems of

INTEKAR GLOBAL CORPORATION DOO

Carried out at following site:

Industriska zona, Dubrovo, Negotino 1440, North Macedonia

Has been found to conform to the Quality Management System Standard:

ISO 9001:2015

This certificate is valid for the following Product or Service ranges:

Production and sales of copper and aluminium wires and cables (300/300 Volt Installation Cables, 300/500 Volt Installation Cables, 450/750 Volt Installation Cables, 600/1000 Volt Copper and Aluminium Low Voltage Energy Cables, 1.8/3 kV Copper and Aluminium Low Voltage Energy Cables, 0.6/1 kV AC & 1.8 kV DC Solar Cables, HFFRLS 0.6/1 kV Copper and Aluminium Low Voltage Energy Cables, 6/10 kV, 12/20 kV, 18/30 kV and 20.3/35 kV Copper and Aluminium Medium Voltage Energy Cables, 600/1000 Volt Copper and Aluminium Aerial Line (ABC & NFA2X) Power Cables, Bare or Insulated Aerial Line Copper and Aluminium Energy Cables and Conductors, Bare and Braided Overhead Line Copper and Aluminium Conductors, PVC Granules for Plumbing and Energy Cables, Wooden Spools for Plumbing and Energy Cables) PVC granule production

| | | |
|-------------------------------------|---|--------------------|
| Certificate no. | : | EUAC/QMS/1017-2025 |
| Issued on | : | 11/02/2025 |
| Validity Date | : | 10/02/2028 |
| 1 st Surveillance Due On | : | DONE |
| 2 ND Surveillance Due On | : | 11/02/2027 |

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY PCMS.

TO VERIFY THIS CERTIFICATE STATUS PLEASE VISIT ACCREDITATION BOARD WEBSITE <https://europeanaccreditationservices.com/>


AUTHORISED BY
CHAIRMAN/DIRECTOR



PCMS WORLDWIDE LTD
Address : Kemp House, 160 City Road,
London, EC1V2NX, United Kingdom
www.pcmsworld.com

The Certificate Remains The Property Of PCMS As Per Certificate Audit Contract

ISO 9001 : 2015

ISO 14001 : 2015



Registration Certificate

This is to certify that The Management Systems of

INTEKAR GLOBAL CORPORATION DOO

Carried out at following site:

Industriska zona, Dubrovo, Negotino 1440, North Macedonia

Has been found to conform to the Environmental Management Systems Standard:

ISO 14001:2015

This certificate is valid for the following Product or Service ranges:

Production and sales of copper and aluminium wires and cables (300/300 Volt Installation Cables, 300/500 Volt Installation Cables, 450/750 Volt Installation Cables, 600/1000 Volt Copper and Aluminium Low Voltage Energy Cables, 1.8/3 kV Copper and Aluminium Low Voltage Energy Cables, 0.6/1 kV AC & 1.8 kV DC Solar Cables, HFFRLS 0.6/1 kV Copper and Aluminium Low Voltage Energy Cables, 6/10 kV, 12/20 kV, 18/30 kV and 20.3/35 kV Copper and Aluminium Medium Voltage Energy Cables, 600/1000 Volt Copper and Aluminium Aerial Line (ABC & NFA2X) Power Cables, Bare or Insulated Aerial Line Copper and Aluminium Energy Cables and Conductors, Bare and Braided Overhead Line Copper and Aluminium Conductors, PVC Granules for Plumbing and Energy Cables, Wooden Spools for Plumbing and Energy Cables) PVC granule production

| | | |
|-------------------------------------|---|--------------------|
| Certificate no. | : | EUAC/EMS/1004-2025 |
| Issued on | : | 11/02/2025 |
| Validity Date | : | 10/02/2028 |
| 1 st Surveillance Due On | : | DONE |
| 2 ND Surveillance Due On | : | 11/02/2027 |

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY PCMS.

TO VERIFY THIS CERTIFICATE STATUS PLEASE VISIT ACCREDITATION BOARD WEBSITE <https://europeanaccreditationservices.com/>


AUTHORISED BY
CHAIRMAN/DIRECTOR



PCMS WORLDWIDE LTD
Address : Kemp House, 160 City Road,
London, EC1V2NX, United Kingdom
www.pcmsworld.com

The Certificate Remains The Property Of PCMS As Per Certificate Audit Contract

ISO 45001 : 2018



Registration Certificate

This is to certify that The Management Systems of

INTEKAR GLOBAL CORPORATION DOO

Carried out at following site:

Industriska zona, Dubrovo, Negotino 1440, North Macedonia

Has been found to conform to the Occupational Health And Safety Management Systems Standard:

ISO 45001:2018

This certificate is valid for the following Product or Service ranges:

Production and sales of copper and aluminium wires and cables (300/300 Volt Installation Cables, 300/500 Volt Installation Cables, 450/750 Volt Installation Cables, 600/1000 Volt Copper and Aluminium Low Voltage Energy Cables, 1.8/3 kV Copper and Aluminium Low Voltage Energy Cables, 0.6/1 kV AC & 1.8 kV DC Solar Cables, HFFRLS 0.6/1 kV Copper and Aluminium Low Voltage Energy Cables, 6/10 kV, 12/20 kV, 18/30 kV and 20.3/35 kV Copper and Aluminium Medium Voltage Energy Cables, 600/1000 Volt Copper and Aluminium Aerial Line (ABC & NFA2X) Power Cables, Bare or Insulated Aerial Line Copper and Aluminium Energy Cables and Conductors, Bare and Braided Overhead Line Copper and Aluminium Conductors, PVC Granules for Plumbing and Energy Cables, Wooden Spools for Plumbing and Energy Cables) PVC granule production

| | | |
|-------------------------------------|---|----------------------|
| Certificate no. | : | EUAC/OHS&S/1002-2025 |
| Issued on | : | 11/02/2025 |
| Validity Date | : | 10/02/2028 |
| 1 st Surveillance Due On | : | DONE |
| 2 ND Surveillance Due On | : | 11/02/2027 |

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY PCMS.

TO VERIFY THIS CERTIFICATE STATUS PLEASE VISIT ACCREDITATION BOARD WEBSITE <https://europeanaccreditationservices.com/>


**AUTHORISED BY
 CHAIRMAN/DIRECTOR**



PCMS WORLDWIDE LTD
 Address : Kemp House, 160 City Road,
 London, EC1V2NX, United Kingdom
www.pcmsworld.com

The Certificate Remains The Property Of PCMS As Per Certificate Audit Contract



TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE veya/or TSE veya/or T S E

| | |
|---|---|
| BELGE NUMARASI REFERENCE NUMBER OF LICENCE | 0386185-TSE-01/02 |
| BELGENİN İLK VERİLİŞ TARİHİ DATE OF FIRST ISSUE OF LICENCE | 06.07.2023 |
| BELGENİN SON GEÇERLİLİK TARİHİ LICENCE VALID UNTIL | 12.03.2026 |
| BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER | İNTEKAR GLOBAL CORPORATION |
| BELGE SAHİBİ KURULUŞUN ADRESİ ADDRESS OF THE LICENCE HOLDER | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA GOSTİVAR/MAKEDONYA |
| ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE | 038976958312 |
| ÜRETİM YERİ ADRESİ ADDRESS OF THE MANUFACTURING PLACE | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA NEGOTİNO / MAKEDONYA |
| İPTAL EDİLEN BELGE NUMARASI (Varsa) INDICATION OF SUPERSEDED LICENCE (if any) | 0386185-TSE-01/01 |
| TESCİLLİ TİCARİ MARKASI REGISTERED TRADE MARK | İNKA CABLE |
| İLGİLİ TÜRK STANDARDI RELATED TURKISH STANDARD | TS IEC 60502-1 / 12.04.2021 |
| BELGE KAPSAMI SCOPE OF LICENCE | - YVV, BEYAN GERİLİMİ 0.6/1 KV OLAN, PVC YALITIMLI VE KILIFLI GÜÇ KABLOLARI. - YAVV, BEYAN GERİLİMİ 0.6/1 KV OLAN, ALÜMİNYUM İLETKENLİ, PVC YALITIMLI VE KILIFLI GÜÇ KABLOLARI. - YAXV, BEYAN GERİLİMİ 0.6/1 KV OLAN, ALÜMİNYUM İLETKENLİ, XLPE YALITIMLI VE PVC KILIFLI GÜÇ KABLOLARI. |



e-İmzalı/e-signed

12.03.2025

Belgelendirme Merkezi Başkanı Adına
SOYDAN CERAN

ELEKTROTEKNİK SEKTÖRÜ MÜDÜRÜ

*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.

*Bu belge, hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kopyası ve silinti yapılamaz.

*TSE ELEKTROTEKNİK SEKTÖRÜ MÜDÜRLÜĞÜ * Adres: Necatibey Cad.No:112 06100 Bakanlıklar/ANKARA * Telefon: 0312 416 63 96* Faks: 0312-416 66 17

*TSE BELGELENDİRME MERKEZ BAŞKANLIĞI; Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telefon: 0 312 416 64 81 / 416 64 27, Faks:0 312 416 66 17 E-posta: bmb@tse.org.tr , web : www.tse.org.tr

<https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=hgn27q8g> adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.



1 / 1



TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark
TSE veya/or  veya/or **TSE**

| | |
|---|--|
| BELGE NUMARASI REFERENCE NUMBER OF LICENCE | 0386185-TSE-02/01 |
| BELGENİN İLK VERİLİŞ TARİHİ DATE OF FIRST ISSUE OF LICENCE | 06.07.2023 |
| BELGENİN SON GEÇERLİLİK TARİHİ LICENCE VALID UNTIL | 06.07.2026 |
| BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER | İNTEKAR GLOBAL CORPARATION |
| BELGE SAHİBİ KURULUŞUN ADRESİ ADDRESS OF THE LICENCE HOLDER | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA GOSTİVAR/MAKEDONYA |
| ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE | 038976958312 |
| ÜRETİM YERİ ADRESİ ADDRESS OF THE MANUFACTURING PLACE | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA NEGOTİNO / MAKEDONYA |
| İPTAL EDİLEN BELGE NUMARASI (Varsa) INDICATION OF SUPERSEDED LICENCE (if any) | |
| TESCİLLİ TİCARİ MARKASI REGISTERED TRADE MARK | 2022/605 |
| İLGİLİ TÜRK STANDARDI RELATED TURKISH STANDARD | TS IEC 60502-2 / 02.04.2015 |
| BELGE KAPSAMI SCOPE OF LICENCE | |



- YAXC7V-R BEYAN GERİLİMİ 12/20 kV OLAN, ALÜMİNYUM İLETKENLİ, ÇAPRAZ BAĞLI POLİETİLEN YALTIMLI, BAKIR EKLANLI, PVC KILIFLI GÜÇ KABLOSU

e-İmzalı/e-signed

26.06.2025

Belgelendirme Merkezi Başkanı Adına
 SOYDAN CERAN

ELEKTROTEKNİK SEKTÖRÜ MÜDÜRÜ

*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.
 *Bu belge, hiç bir suretle tahfif edilmez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kopyası ve silinili yapılamaz.
 *TSE ELEKTROTEKNİK SEKTÖRÜ MÜDÜRLÜĞÜ * Adres: Necatibey Cad.No:112 06100 Bakanlıklar/ANKARA * Telefon: 0312 416 63 96* Faks: 0312-416 66 17
 *TSE BELGELENDİRME MERKEZ BAŞKANLIĞI, Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telefon: 0 312 416 64 81 / 416 64 27, Faks:0 312 416 66 17 E-posta :
 :bmb@tse.org.tr , web : www.tse.org.tr



<https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=klbfscsp> adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.



Markanın Tanımı Description of the Mark

TSEK veya / or **Т-015**

| | |
|---|--|
| BELGE NUMARASI REFERENCE NUMBER OF LICENCE | 0386185-TSEK-01/01 |
| BELGENİN İLK VERİLİŞ TARİHİ DATE OF FIRST ISSUE OF LICENCE | 27.08.2025 |
| BELGENİN SON GEÇERLİLİK TARİHİ LICENCE VALID UNTIL | 27.08.2026 |
| BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER | İNTEKAR GLOBAL CORPARATION |
| BELGE SAHİBİ KURULUŞUN ADRESİ ADDRESS OF THE LICENCE HOLDER | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA Gostivar |
| ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE | İNTEKAR GLOBAL CORPARATION |
| ÜRETİM YERİ ADRESİ ADDRESS OF THE MANUFACTURING PLACE | INDUSTRY ZONE, DUBROVO NEGOTİNO 1440 , NORTH MACEDONİA Negotino |
| TESCİLLİ TİCARİ MARKASI REGISTERED TRADE MARK | INKA CABLE NEGOTİNO |
| İLGİLİ BELGELENDİRME KRİTERİ RELATED TURKISH STANDARD | TSE K 204 / 21.01.2014 |
| BELGE KAPSAMI SCOPE OF LICENCE | |

- YAXC7V-R ((N)A2XS), BEYAN GERİLİMİ 20.3/35 KV OLAN, ALÜMİNYUM İLETKENLİ, ÇAPRAZ BAĞLI POLİETİLEN YALITIMLI, BAKIR EKLANLI, PVC KILIFLI VE YALITIMI EKSTRÜZYONLA ÇEKİLMİŞ ORTA GERİLİM GÜÇ KABLOLARI.
- YAXC7(Q)V-R (NA2XS(F)Y) , BEYAN GERİLİMİ 20.3/35 KV OLAN, ALÜMİNYUM İLETKENLİ, ÇAPRAZ BAĞLI POLİETİLEN YALITIMLI, ŞİŞEN BANTLI, BAKIR EKLANLI, ŞİŞEN BANTLI, PVC KILIFLI VE YALITIMI EKSTRÜZYONLA ÇEKİLMİŞ ORTA GERİLİM GÜÇ KABLOLARI.

e-imzalı/e-signed

27/08/2025

Belgelendirme Merkezi Başkanı Adına
UMUT TAŞAR

ELEKTROTEKNİK SEKTÖRÜ MÜDÜR V.

*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.
*Bu belge, hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kazıntı ve silinti yapılamaz.
*TSE ELEKTROTEKNİK SEKTÖRÜ MÜDÜRLÜĞÜ * Adres: Necatibey Cad.No:112 06100 Bakanlıklar/ANKARA * Telefon: 0312 416 63 96* Faks: 0312-416 66 17
*TSE BELGELENDİRME MERKEZ BAŞKANLIĞI; Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telefon: 0 312 416 64 81 / 416 64 27, Faks:0 312 416 66 17 E-posta : bmb@tse.org.tr , web : www.tse.org.tr

<https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=9qni0y1a> adresinden belgenin doğruluğunu ve geçerliliğini sorgulayın





Zertifikat

Certificate

Registrier-Nr.

Registered No.

44 780 24 406749 - 417

Zeichen des Auftraggebers

Customer's reference

QT-PVP06128/23C

Auftragsdatum

Date of order

2023-06-25

Aktenzeichen

File reference

PVP06128/23C

Prüfbericht Nr.

Test report no.

492012914.001

**Name und Anschrift
des Auftraggebers**

INTEKAR GLOBAL CORPORATION
Kej Bratsvo Edinstvo br. 3 Gostivar 1230

*Name and address of
the customer*

ist berechtigt, das unten
genannte Produkt
mit dem abgebildeten Zeichen
zu kennzeichnen



*Is authorized to
provide the product
mentioned below with
the mark as illustrated*

Fertigungsstätte

INTEKAR GLOBAL CORPORATION
H.Z. Taghiyev settlement. AZ5022 Sumqayit, Azerbaijan

Manufacturer plant

Geprüft nach

**EN 50618:2014
IEC 62930:2017**

Tested in accordance with

**Beschreibung des
Produktes
(Details s. Anlage 1)**

Elektrokabel für Photovoltaikanlagen
Electric Cables for Photovoltaic Systems

*Description of products
(Details see Annex 1)*

62930 IEC 131 1x 1.5...50mm² / H1Z2Z2-K 1x1.5...50mm²

Robert Niko

TÜV NORD CERT GmbH
Zertifizierungsstelle
Fachleiter Konsumgüter



Gültig bis/ Valid until: 2029-10-29

Essen, 2024-10-30

Bitte beachten sie auch die umseitigen Hinweise
Please also pay attention to the information stated overleaf

Am TÜV 1 • D-45307 Essen • Fon +49 (0)201 825 5120 • Fax +49 (0)201 825 3209 • Email: prodcert@tuv-nord.de

VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG MARKS APPROVAL

Intekar Global Corporation Doo
Kej Bratstvo Edinstvo br. 3
1230 Gostivar
Macedonia

ist berechtigt, für ihr Produkt /
is authorized to use for their product

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

die 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-Kabelzeichen
VDE Cable Mark

◁VDE▷ 0276 oder/or ▷◁▷Ω▷ 0276

Geprüft und zertifiziert nach /
Tested and certified according to

DIN VDE 0276-603 (VDE 0276-603):2010-03; HD 603 S1:1994/A3:2007

Befristet zum / *valid until:* 2029-12-31

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

M. Tasotti

M. Tasotti

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

VDE

Aktenzeichen: 5031252-5220-0603 / 327406

File ref.:

Ausweis-Nr. 40060214

Certificate No.

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2025-04-29

Blatt 1
Page

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>



CONTENTS

| | |
|--|-------|
| STRANDED ALUMINUM CONDUCTOR - AAC..... | 14 |
| STRANDED COPPER CONDUCTOR..... | 15 |
| STEEL-CORE STRANDED ALUMINUM CONDUCTOR - ACSR..... | 16 |
| NYCY..... | 17 |
| NAYY..... | 19-22 |
| NYY..... | 24-28 |
| NA2XY..... | 30-34 |
| N2XY..... | 36-40 |
| NAYY-SEKTOR..... | 42-45 |
| NYY-SEKTOR..... | 47-49 |
| NA2XY-SEKTOR..... | 51-54 |
| N2XY-SEKTOR..... | 56-58 |
| NA2XH..... | 60-64 |
| N2XH..... | 66-70 |
| H07V-U..... | 72 |
| H07V-R..... | 73 |
| H07V-K..... | 74 |
| H03VV-F..... | 75 |
| H05VV-F..... | 76 |
| NYM..... | 77 |
| SOLAR CABLE..... | 78 |
| ABC CABLE..... | 80-82 |
| TECHNICAL INFORMATION..... | 84-97 |

STRANDED ALUMINIUM CONDUCTORS-AAC

Standard: EN 50182 / TS EN 50182

Circular Non Compacted Aluminium Conductor



*Conductor Structure
1-Non Compacted Aluminium Wires*

| TECHNICAL SPECIFICATIONS | | | | | | | | | |
|--------------------------|-----------|----------------------|-------------|---------------|-----------|---------|---------|----------------|------------------|
| Conductor Code | | Cross-sectional Area | No of Wires | Wire Diameter | Diameter | Unit | Pulling | D.C Resistance | Current Carrying |
| | | Total | Al | Al | Conductor | Weight | Forces | at 20° C | Capacity |
| | | (mm ²) | | (mm) | (mm) | (kg/km) | (kN) | (Ohm/km) | (A) |
| 16 | 16 - AL1 | 15,89 | 7 | 1,70 | 5,1 | 43,4 | 2,84 | 1,802 | 110 |
| 25 | 24 - AL1 | 24,25 | 7 | 2,10 | 6,3 | 66,3 | 4,17 | 1,181 | 145 |
| 35 | 34 - AL1 | 34,46 | 7 | 2,50 | 7,5 | 93,9 | 5,74 | 0,833 | 180 |
| 50 | 49 - AL1 | 49,48 | 7 | 3,00 | 9,0 | 135,2 | 7,95 | 0,579 | 225 |
| 50 | 48 - AL1 | 48,36 | 19 | 1,80 | 9,0 | 132,9 | 8,44 | 0,595 | 225 |
| 70 | 66 - AL1 | 65,82 | 19 | 2,10 | 10,5 | 180,9 | 11,25 | 0,437 | 270 |
| 95 | 93 - AL1 | 93,27 | 19 | 2,50 | 12,5 | 256,3 | 15,65 | 0,309 | 340 |
| 120 | 117 - AL1 | 117,00 | 19 | 2,80 | 14,0 | 321,5 | 18,75 | 0,246 | 390 |
| 150 | 147 - AL1 | 147,10 | 37 | 2,25 | 15,7 | 405,7 | 25,25 | 0,196 | 455 |
| 185 | 182 - AL1 | 181,60 | 37 | 2,50 | 17,5 | 500,9 | 30,45 | 0,159 | 520 |
| 240 | 243 - AL1 | 242,50 | 61 | 2,25 | 20,2 | 871,1 | 39,35 | 0,119 | 625 |
| 300 | 299 - AL1 | 299,40 | 61 | 2,50 | 22,5 | 828,5 | 47,55 | 0,097 | 710 |
| 400 | 400 - AL1 | 400,10 | 61 | 2,89 | 26,0 | 1107,1 | 60,70 | 0,072 | 855 |
| 500 | 500 - AL1 | 499,80 | 61 | 3,23 | 29,1 | 1382,9 | 74,50 | 0,058 | 990 |

STRANDED COPPER CONDUCTORS

Standard: IEC 60228 / TS IEC 60228 / TS EN 13602 / EN 13602

Circular Compacted Copper Conductor



*Conductor Structure
1-Compacted Copper Wires*

| TECHNICAL SPECIFICATIONS | | | | |
|--------------------------|-------------|-------------|----------------|-----------------|
| Cross-sectional Area | No of Wires | Diameter | Unit | D.C Resistance |
| Total | CU | Conductor | Weight | at 20° C |
| (mm ²) | (Max.) | (mm) (Nom.) | (kg/km) (Nom.) | (Ohm/km) (Max.) |
| 10 | 7 | 3,9 | 85 | 1,83 |
| 16 | 7 | 4,9 | 135 | 1,15 |
| 25 | 7 | 5,9 | 215 | 0,727 |
| 35 | 7 | 6,9 | 295 | 0,524 |
| 50 | 10 | 8,0 | 405 | 0,387 |
| 70 | 14 | 9,8 | 585 | 0,268 |
| 95 | 19 | 11,4 | 810 | 0,193 |
| 120 | 19 | 12,9 | 1025 | 0,153 |
| 150 | 30 | 14,3 | 1255 | 0,124 |
| 185 | 37 | 15,9 | 1575 | 0,0991 |
| 240 | 37 | 18,1 | 2085 | 0,0754 |
| 300 | 47 | 20,3 | 2600 | 0,0601 |
| 400 | 60 | 23,1 | 3330 | 0,0470 |

STEEL-CORE STRANDED ALUMINUM CONDUCTOR -ACSR

Standard: EN 50182 / TS EN 50182

Steel Wires and Aluminium Wires / Circular Non Compacted Aluminium Conductor

Aluminium Conductors Steel Reinforced



Conductor Structure

1-Non Compacted Steel Wires

2-Non Compacted Aluminium Wires

| TECHNICAL SPECIFICATIONS | | | | | | | | | | | | | | | | |
|--------------------------|-----------------|----------------------|--------------------|--------------------|-------------|-------|---------------|-------|----------|-----------|---------|---------|----------------|----------------------|-------------------------|------------------|
| Conductor Code | | Cross-sectional Area | | | No of Wires | | Wire Diameter | | Diameter | | Unit | Pulling | D.C Resistance | Elasticity | Linear Expansion | Current Carrying |
| | | Al | Steel | Total | Al | Steel | Al | Steel | Core | Conductor | Weight | Forces | at 20 ° C | Module | Coefficient | Capacity |
| | | (mm ²) | (mm ²) | (mm ²) | | | (mm) | (mm) | (mm) | (mm) | (kg/km) | (kN) | (Ohm/km) | (N/mm ²) | (1/K) | (A) |
| 25/4 | 24-AL1/4-ST1A | 23,9 | 4,0 | 27,8 | 6 | 1 | 2,30 | 2,30 | 2,3 | 6,8 | 96 | 8,95 | 1,201 | 81000 | 1,92 x 10 ⁻⁵ | 140 |
| 35/6 | 34-AL1/6-ST1A | 34,3 | 5,7 | 40,1 | 6 | 1 | 2,70 | 2,70 | 2,7 | 8,1 | 138 | 12,37 | 0,834 | 81000 | 1,92 x 10 ⁻⁵ | 180 |
| 50/8 | 48-AL1/8-ST1A | 48,3 | 8,0 | 56,3 | 6 | 1 | 3,20 | 3,20 | 3,2 | 9,6 | 195 | 16,81 | 0,593 | 81000 | 1,92 x 10 ⁻⁵ | 210 |
| 70/12 | 70-AL1/12-ST1A | 69,9 | 11,4 | 81,3 | 26 | 7 | 1,85 | 1,44 | 4,3 | 11,7 | 286 | 26,27 | 0,413 | 77000 | 1,89 x 10 ⁻⁵ | 290 |
| 95/15 | 94-AL1/15-ST1A | 94,4 | 15,3 | 109,7 | 26 | 7 | 2,15 | 1,67 | 5,0 | 13,6 | 380 | 34,93 | 0,306 | 77000 | 1,89 x 10 ⁻⁵ | 350 |
| 120/20 | 122-AL1/20-ST1A | 121,6 | 19,8 | 141,4 | 26 | 7 | 2,40 | 1,85 | 5,7 | 15,5 | 491 | 44,5 | 0,237 | 77000 | 1,89 x 10 ⁻⁵ | 410 |
| 125/30 | 128-AL1/30-ST1A | 127,9 | 29,8 | 157,8 | 30 | 7 | 2,30 | 2,30 | 7,0 | 16,3 | 587 | 54,41 | 0,226 | 82000 | 1,78 x 10 ⁻⁵ | 425 |
| 150/25 | 149-AL1/24-ST1A | 148,6 | 24,2 | 173,1 | 26 | 7 | 2,70 | 2,10 | 6,3 | 17,1 | 601 | 53,67 | 0,194 | 77000 | 1,89 x 10 ⁻⁵ | 470 |
| 170/40 | 172-AL1/40-ST1A | 171,8 | 40,1 | 211,8 | 30 | 7 | 2,70 | 2,70 | 8,1 | 18,9 | 788 | 74,89 | 0,168 | 82000 | 1,78 x 10 ⁻⁵ | 520 |
| 185/30 | 184-AL1/30-ST1A | 183,8 | 29,8 | 213,6 | 26 | 7 | 3,00 | 2,30 | 7,0 | 19,0 | 741 | 65,27 | 0,157 | 77000 | 1,89 x 10 ⁻⁵ | 535 |
| 210/35 | 209-AL1/34-ST1A | 209,1 | 34,1 | 243,2 | 26 | 7 | 3,20 | 2,50 | 7,5 | 20,3 | 844 | 73,36 | 0,138 | 77000 | 1,89 x 10 ⁻⁵ | 590 |
| 210/50 | 212-AL1/49-ST1A | 212,1 | 49,5 | 261,5 | 30 | 7 | 3,00 | 3,00 | 9,0 | 21,0 | 973 | 92,46 | 0,136 | 82000 | 1,78 x 10 ⁻⁵ | 610 |
| 230/30 | 231-AL1/30-ST1A | 230,9 | 29,8 | 260,8 | 24 | 7 | 3,50 | 2,30 | 7,0 | 21,0 | 871 | 72,13 | 0,125 | 74000 | 1,96 x 10 ⁻⁵ | 630 |
| 240/40 | 243-AL1/39-ST1A | 243,1 | 39,5 | 282,5 | 26 | 7 | 3,50 | 2,70 | 8,0 | 21,8 | 980 | 85,12 | 0,118 | 77000 | 1,89 x 10 ⁻⁵ | 645 |
| 265/35 | 264-AL1/34-ST1A | 263,7 | 34,1 | 297,7 | 24 | 7 | 3,70 | 2,50 | 7,5 | 22,4 | 994 | 81,04 | 0,109 | 74000 | 1,96 x 10 ⁻⁵ | 680 |
| 300/50 | 304-AL1/49-ST1A | 304,3 | 49,5 | 353,7 | 26 | 7 | 3,90 | 3,00 | 9,0 | 24,4 | 1227 | 105,09 | 0,094 | 77000 | 1,89 x 10 ⁻⁵ | 740 |

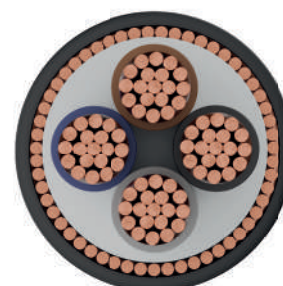
YVCV-U, YVCV-R & NYCY & CU / PVC / SC / PVC

Standard: TS IEC 60502-1 / IEC 60502 - 1 / VDE 0271 / VDE 0276 / BS 6346

Copper Conductor / PVC insulated / Filler / Copper Wires and Copper Tape Screen / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|------------------------|---------------------|--|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 1 and Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D Cable | Color of Insulation | Brown, Black, Grey, Blue, Yellow/Green |
| Max. Permissible Tensile | 50 N / mm ² | | Black Numbered Isolated |
| Rated current carrying capacity | One system | Filler | IEC 60502-1 |
| | | Screen | Copper Wires and Copper Tape |
| | | Sheath | PVC |
| | | Color of Sheath | Black |

Application

These cables, used in substations, industrial facilities, and urban networks, are equipped with a concentric conductor that ensures safety during any mechanical impact by triggering the protective circuit breaker or fuse switch connected to the network. This mechanism prevents the energy within the cable from causing harm to the surrounding environment. The power cables with insulation of PVC are designed for

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x2.5/2.5 | RE | 13 | 250 | 1000 | 7,41 | 42 | 27 |
| 4x2.5/2.5 | RE | 15 | 330 | 1000 | 7,41 | 34 | 25 |
| 8x2.5/2.5 | RE | 19 | 550 | 1000 | 7,41 | 20 | 16 |
| 16x2.5/4 | RE | 23 | 850 | 1000 | 7,41 | 14 | 12 |
| 24x2.5/4 | RE | 28 | 1300 | 1000 | 7,41 | 11 | 10 |
| 4x4/4 | RE | 17 | 470 | 1000 | 4,61 | 44 | 34 |
| 4x16/16 | RM | 24 | 1220 | 1000 | 1,15 | 98 | 80 |
| 2x25/16 | RM | 24 | 1100 | 1000 | 0,727 | 150 | 120 |
| 4x25/16 | RM | 28 | 1650 | 1000 | 0,727 | 130 | 105 |
| 4x35/16 | RM | 30 | 2050 | 1000 | 0,524 | 155 | 130 |
| 4x120/70 | RM | 49 | 6800 | 500 | 0,153 | 310 | 280 |

CABLE FACTORY NEGOTINO - FKN INTEKAR GLOBAL

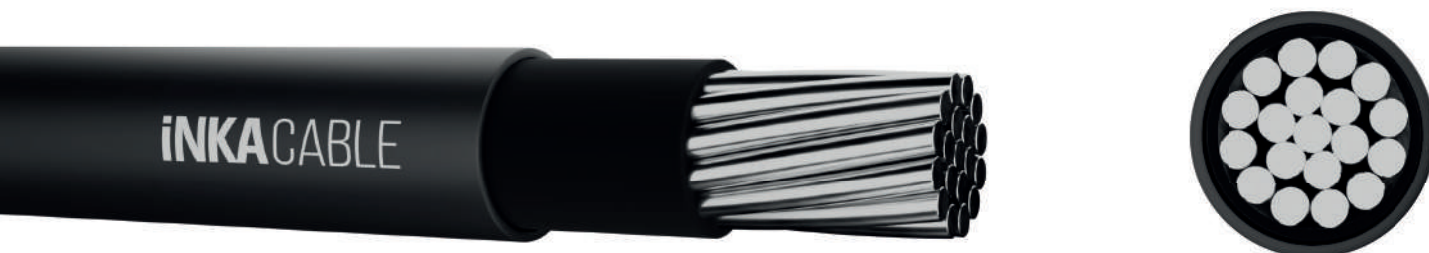
YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Aluminum Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_o/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 30 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | Flat Formation | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | – | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x16 | RM | 9,7 | 120 | 1000 | 1,91 | 80 | 75 |
| 1x25 | RM | 11,3 | 150 | 1000 | 1,20 | 125 | 87 |
| 1x35 | RM | 12,2 | 190 | 1000 | 0,868 | 151 | 131 |
| 1x50 | RM | 13,7 | 270 | 1000 | 0,641 | 179 | 160 |
| 1x70 | RM | 15,4 | 330 | 1000 | 0,443 | 218 | 202 |
| 1x95 | RM | 17,7 | 430 | 1000 | 0,320 | 261 | 249 |
| 1x120 | RM | 19,1 | 530 | 1000 | 0,253 | 297 | 291 |
| 1x150 | RM | 21,1 | 680 | 1000 | 0,206 | 332 | 333 |
| 1x185 | RM | 23,3 | 780 | 1000 | 0,164 | 376 | 384 |
| 1x240 | RM | 26,2 | 1000 | 1000 | 0,125 | 437 | 460 |
| 1x300 | RM | 29,1 | 1290 | 1000 | 0,100 | 494 | 530 |
| 1x400 | RM | 32,3 | 1650 | 1000 | 0,0778 | 572 | 642 |

YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x16 | RM | 20,5 | 510 | 1000 | 1,91 | 70 | 65 |
| 3x25 | RM | 24,0 | 800 | 1000 | 1,20 | 99 | 83 |
| 3x35 | RM | 25,9 | 940 | 1000 | 0,868 | 120 | 102 |
| 3x50 | RM | 29,0 | 1200 | 1000 | 0,641 | 142 | 124 |
| 3x70 | RM | 33,5 | 1640 | 1000 | 0,443 | 176 | 158 |
| 3x95 | RM | 38,2 | 2150 | 1000 | 0,320 | 211 | 160 |
| 3x120 | RM | 41,6 | 2400 | 1000 | 0,253 | 242 | 220 |
| 3x150 | RM | 46,0 | 3100 | 1000 | 0,206 | 270 | 252 |
| 3x185 | RM | 50,8 | 3700 | 500 | 0,164 | 308 | 289 |
| 3x240 | RM | 57,3 | 4800 | 500 | 0,125 | 363 | 339 |
| 3x300 | RM | 63,5 | 5800 | 500 | 0,100 | 412 | 377 |
| 3x400 | RM | 70,5 | 7500 | 500 | 0,0778 | 475 | 444 |

YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

6Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | One system | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | – | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x16 + 10 | RM | 22,0 | 560 | 1000 | 1,91 | 70 | 65 |
| 3x25 + 16 | RM | 25,8 | 910 | 1000 | 1,20 | 99 | 83 |
| 3x35 + 16 | RM | 28,0 | 1020 | 1000 | 0,868 | 118 | 102 |
| 3x50 + 25 | RM | 32,2 | 1400 | 1000 | 0,641 | 142 | 124 |
| 3x70 + 35 | RM | 37,0 | 1810 | 1000 | 0,443 | 176 | 158 |
| 3x95 + 50 | RM | 42,4 | 2450 | 1000 | 0,320 | 211 | 160 |
| 3x120 + 70 | RM | 47,0 | 2950 | 1000 | 0,253 | 242 | 220 |
| 3x150 + 70 | RM | 51,0 | 3500 | 1000 | 0,206 | 270 | 252 |
| 3x185 + 95 | RM | 56,7 | 4300 | 500 | 0,164 | 308 | 289 |
| 3x240 + 120 | RM | 63,6 | 5600 | 500 | 0,125 | 363 | 339 |
| 3x300 + 150 | RM | 70,3 | 6600 | 500 | 0,100 | 412 | 377 |

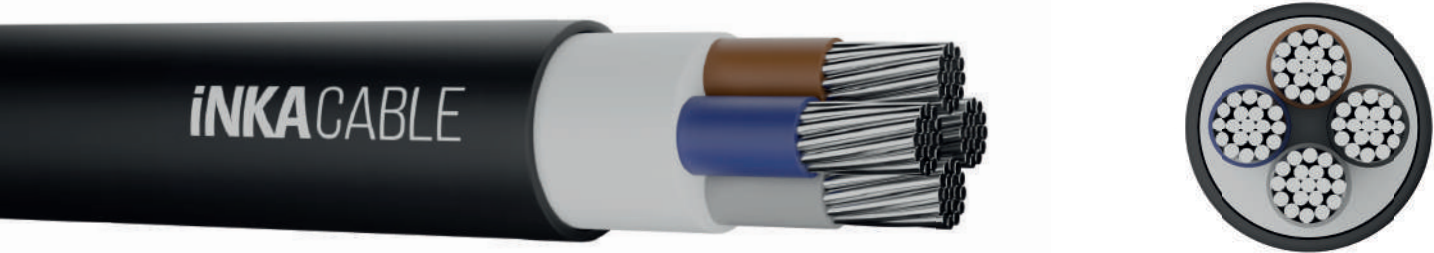
YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x16 | RM | 22,3 | 600 | 1000 | 1,91 | 70 | 65 |
| 4x25 | RM | 26,2 | 950 | 1000 | 1,20 | 99 | 83 |
| 4x35 | RM | 28,3 | 1130 | 1000 | 0,868 | 118 | 102 |
| 4x50 | RM | 32,5 | 1550 | 1000 | 0,641 | 142 | 124 |
| 4x70 | RM | 37,0 | 2000 | 1000 | 0,443 | 176 | 158 |
| 4x95 | RM | 42,3 | 2600 | 1000 | 0,320 | 211 | 160 |
| 4x120 | RM | 46,4 | 3100 | 1000 | 0,253 | 242 | 220 |
| 4x150 | RM | 51,0 | 3900 | 1000 | 0,206 | 270 | 252 |
| 4x185 | RM | 56,8 | 4800 | 500 | 0,164 | 308 | 289 |
| 4x240 | RM | 63,6 | 6000 | 500 | 0,125 | 363 | 339 |
| 4x300 | RM | 70,5 | 7400 | 500 | 0,100 | 412 | 377 |
| 4x400 | RM | 78,9 | 9600 | 500 | 0,0778 | 475 | 444 |

INKA CABLE



YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|----------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC60228 Class 2 / Class 1 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 50 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | Flat Formation | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | – | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x1,5 | RE | 5,8 | 50 | 1000 | 12,1 | - | 25 |
| 1x2,5 | RE | 6,1 | 60 | 1000 | 7,41 | - | 34 |
| 1x4 | RE | 7,0 | 85 | 1000 | 4,61 | - | 45 |
| 1x6 | RE | 7,5 | 105 | 1000 | 3,08 | - | 57 |
| 1x10 | RM | 8,7 | 155 | 1000 | 1,83 | - | 78 |
| 1x16 | RM | 9,7 | 210 | 1000 | 1,15 | 127 | 103 |
| 1x25 | RM | 11,3 | 310 | 1000 | 0,727 | 163 | 137 |
| 1x35 | RM | 12,2 | 420 | 1000 | 0,524 | 195 | 169 |
| 1x50 | RM | 13,7 | 560 | 1000 | 0,387 | 230 | 206 |
| 1x70 | RM | 15,4 | 780 | 1000 | 0,268 | 282 | 261 |
| 1x95 | RM | 17,7 | 1040 | 1000 | 0,193 | 336 | 321 |
| 1x120 | RM | 19,1 | 1300 | 1000 | 0,153 | 382 | 374 |
| 1x150 | RM | 21,1 | 1600 | 1000 | 0,124 | 428 | 428 |
| 1x185 | RM | 23,3 | 1900 | 1000 | 0,0991 | 483 | 494 |
| 1x240 | RM | 26,2 | 2450 | 1000 | 0,0754 | 561 | 590 |
| 1x300 | RM | 29,1 | 3000 | 1000 | 0,0601 | 632 | 678 |
| 1x400 | RM | 32,3 | 4000 | 1000 | 0,0470 | 730 | 817 |
| 1x500 | RM | 36,2 | 5000 | 1000 | 0,0366 | 823 | 940 |
| 1x630 | RM | 39,9 | 6150 | 500 | 0,0283 | 866 | 1100 |

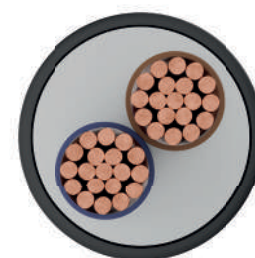
YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|----------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC60228 Class 2 / Class 1 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x1,5 | RE | 11,5 | 170 | 1000 | 12,1 | 32 | 20 |
| 2x2,5 | RE | 12,3 | 220 | 1000 | 7,41 | 42 | 27 |
| 2x4 | RE | 14,0 | 320 | 1000 | 4,61 | 54 | 37 |
| 2x6 | RE | 15,0 | 370 | 1000 | 3,08 | 68 | 48 |
| 2x10 | RM | 17,4 | 550 | 1000 | 1,83 | 90 | 66 |
| 2x16 | RM | 19,4 | 680 | 1000 | 1,15 | 116 | 89 |
| 2x25 | RM | 22,6 | 1000 | 1000 | 0,727 | 150 | 118 |
| 2x35 | RM | 24,4 | 1250 | 1000 | 0,524 | 181 | 145 |
| 2x50 | RM | 27,3 | 1650 | 1000 | 0,387 | 215 | 176 |
| 2x70 | RM | 30,9 | 2200 | 1000 | 0,268 | 264 | 224 |
| 2x95 | RM | 35,7 | 2950 | 1000 | 0,193 | 317 | 271 |
| 2x120 | RM | 38,8 | 3600 | 1000 | 0,153 | 360 | 314 |
| 2x150 | RM | 42,5 | 4300 | 1000 | 0,124 | 406 | 361 |
| 2x185 | RM | 47,4 | 5500 | 500 | 0,0991 | 458 | 412 |
| 2x240 | RM | 53,1 | 7000 | 500 | 0,0754 | 537 | 484 |
| 2x300 | RM | 59,1 | 8700 | 500 | 0,0601 | 604 | 556 |

YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|----------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC60228 Class 2 / Class 1 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 50 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | One System | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x1.5 | RE | 12,0 | 220 | 1000 | 12,1 | 26 | 18,5 |
| 3x2.5 | RE | 12,8 | 250 | 1000 | 7,41 | 34 | 25 |
| 3x4 | RE | 14,7 | 360 | 1000 | 4,61 | 44 | 34 |
| 3x6 | RE | 15,8 | 430 | 1000 | 3,08 | 56 | 43 |
| 3x10 | RM | 18,3 | 640 | 1000 | 1,83 | 75 | 60 |
| 3x16 | RM | 20,5 | 850 | 1000 | 1,15 | 98 | 80 |
| 3x25 | RM | 24,0 | 1250 | 1000 | 0,727 | 128 | 106 |
| 3x35 | RM | 25,9 | 1600 | 1000 | 0,524 | 157 | 131 |
| 3x50 | RM | 29 | 2100 | 1000 | 0,387 | 185 | 159 |
| 3x70 | RM | 33,5 | 2900 | 1000 | 0,268 | 228 | 202 |
| 3x95 | RM | 38,2 | 3900 | 1000 | 0,193 | 275 | 244 |
| 3x120 | RM | 41,6 | 4750 | 1000 | 0,153 | 313 | 282 |
| 3x150 | RM | 46,0 | 5900 | 500 | 0,124 | 353 | 324 |
| 3x185 | RM | 50,8 | 7250 | 500 | 0,0991 | 399 | 371 |
| 3x240 | RM | 57,3 | 9250 | 500 | 0,0754 | 464 | 436 |
| 3x300 | RM | 63,5 | 11500 | 250 | 0,0601 | 524 | 481 |
| 3x400 | RM | 70,5 | 15300 | 250 | 0,0470 | 600 | 560 |

YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6 / 1$ kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x16 + 10 | RM/RM | 22,0 | 980 | 1000 | 1,15 | 98 | 80 |
| 3x25 + 16 | RM/RM | 25,8 | 1500 | 1000 | 0,727 | 128 | 106 |
| 3x35 + 16 | RM/RM | 28,0 | 1800 | 1000 | 0,524 | 157 | 131 |
| 3x50 + 25 | RM/RM | 32,2 | 2420 | 1000 | 0,387 | 185 | 159 |
| 3x70 + 35 | RM/RM | 37,0 | 3400 | 1000 | 0,268 | 228 | 202 |
| 3x95 + 50 | RM/RM | 42,4 | 4400 | 1000 | 0,193 | 275 | 244 |
| 3x120 + 70 | RM/RM | 47,0 | 5500 | 500 | 0,153 | 313 | 282 |
| 3x150 + 70 | RM/RM | 51,0 | 6500 | 500 | 0,124 | 353 | 324 |
| 3x185 + 95 | RM/RM | 56,7 | 8300 | 500 | 0,0991 | 399 | 371 |
| 3x240 + 120 | RM/RM | 63,6 | 10500 | 500 | 0,0754 | 464 | 436 |
| 3x300 + 150 | RM/RM | 70,3 | 13300 | 250 | 0,0601 | 524 | 481 |

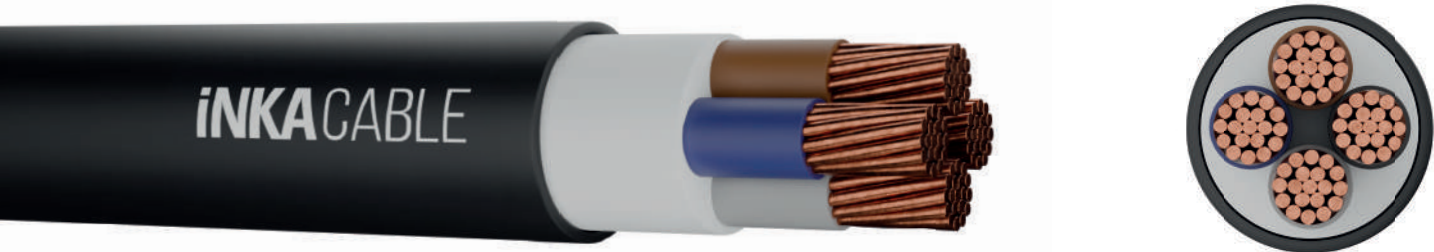
YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|----------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC60228 Class 2 / Class 1 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One System | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside) underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | – | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x1.5 | RE | 12,8 | 250 | 1000 | 12,1 | 26 | 18,5 |
| 4x2.5 | RE | 13,7 | 290 | 1000 | 7,41 | 34 | 25 |
| 4x4 | RE | 15,8 | 420 | 1000 | 4,61 | 44 | 34 |
| 4x6 | RE | 17,0 | 530 | 1000 | 3,08 | 56 | 43 |
| 4x10 | RM | 19,9 | 700 | 1000 | 1,83 | 75 | 60 |
| 4x16 | RM | 22,3 | 1060 | 1000 | 1,15 | 98 | 80 |
| 4x25 | RM | 26,2 | 1550 | 1000 | 0,727 | 128 | 106 |
| 4x35 | RM | 28,3 | 2000 | 1000 | 0,524 | 157 | 131 |
| 4x50 | RM | 32,5 | 2700 | 1000 | 0,387 | 185 | 159 |
| 4x70 | RM | 37,0 | 3700 | 1000 | 0,268 | 228 | 202 |
| 4x95 | RM | 42,3 | 5000 | 1000 | 0,193 | 275 | 244 |
| 4x120 | RM | 46,4 | 6200 | 500 | 0,153 | 313 | 282 |
| 4x150 | RM | 51,0 | 7600 | 500 | 0,124 | 353 | 324 |
| 4x185 | RM | 56,8 | 9450 | 500 | 0,0991 | 399 | 371 |
| 4x240 | RM | 63,6 | 12000 | 500 | 0,0754 | 464 | 436 |
| 4x300 | RM | 70,5 | 15000 | 250 | 0,0601 | 524 | 481 |
| 4x400 | RM | 78,9 | 19500 | 250 | 0,0470 | 600 | 560 |



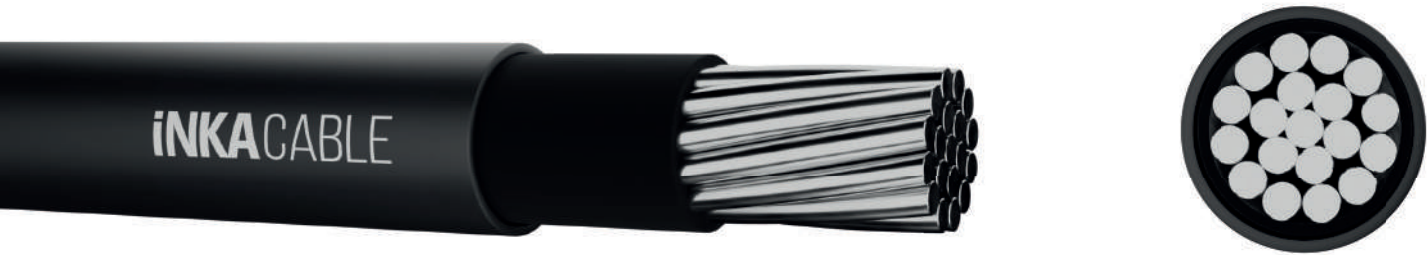
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Aluminum Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 30 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | Flat Formation | Color of Sheath | Black |

Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x25 | RM | 10,7 | 140 | 1000 | 1,200 | 150 | 135 |
| 1x35 | RM | 11,6 | 170 | 1000 | 0,868 | 164 | 163 |
| 1x50 | RM | 12,9 | 240 | 1000 | 0,641 | 195 | 200 |
| 1x70 | RM | 14,8 | 310 | 1000 | 0,443 | 238 | 254 |
| 1x95 | RM | 16,7 | 410 | 1000 | 0,320 | 284 | 313 |
| 1x120 | RM | 18,3 | 490 | 1000 | 0,253 | 323 | 366 |
| 1x150 | RM | 20,3 | 580 | 1000 | 0,206 | 361 | 420 |
| 1x185 | RM | 22,3 | 730 | 1000 | 0,164 | 408 | 486 |
| 1x240 | RM | 25,0 | 930 | 1000 | 0,125 | 476 | 585 |
| 1x300 | RM | 27,7 | 1140 | 1000 | 0,100 | 537 | 675 |
| 1x400 | RM | 30,9 | 1500 | 1000 | 0,0778 | 616 | 798 |
| 1x500 | RM | 34,8 | 1750 | 1000 | 0,0605 | 699 | 926 |

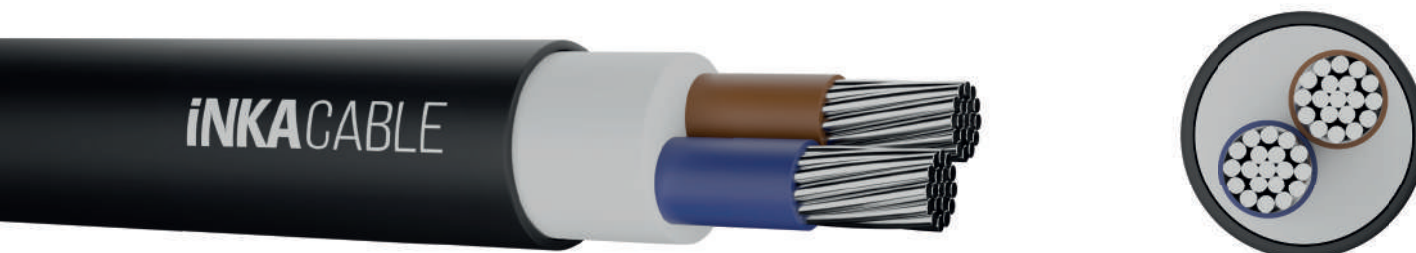
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x25 | RM | 21,4 | 590 | 1000 | 1,20 | 110 | 115 |
| 2x35 | RM | 23,2 | 690 | 1000 | 0,868 | 130 | 140 |
| 2x50 | RM | 25,7 | 880 | 1000 | 0,641 | 155 | 175 |
| 2x70 | RM | 29,5 | 1180 | 1000 | 0,443 | 195 | 220 |
| 2x95 | RM | 33,7 | 1510 | 1000 | 0,320 | 235 | 270 |

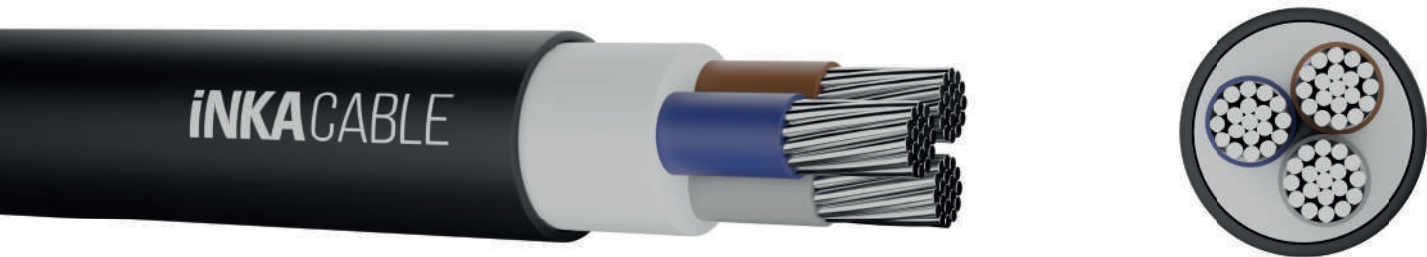
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown,Black,Grey |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x25 | RM | 22,7 | 640 | 1000 | 1,20 | 111 | 100 |
| 3x35 | RM | 24,6 | 810 | 1000 | 0,868 | 132 | 122 |
| 3x50 | RM | 27,3 | 1090 | 1000 | 0,641 | 157 | 147 |
| 3x70 | RM | 31,6 | 1400 | 1000 | 0,443 | 195 | 189 |
| 3x95 | RM | 35,9 | 1750 | 1000 | 0,320 | 233 | 232 |
| 3x120 | RM | 39,6 | 2200 | 1000 | 0,253 | 266 | 270 |
| 3x150 | RM | 44,2 | 2800 | 1000 | 0,206 | 299 | 308 |
| 3x185 | RM | 48,9 | 3400 | 1000 | 0,164 | 340 | 357 |
| 3x240 | RM | 54,5 | 4350 | 1000 | 0,125 | 401 | 435 |
| 3x300 | RM | 60,7 | 5300 | 500 | 0,100 | 455 | 501 |
| 3x400 | RM | 67,9 | 7000 | 500 | 0,0778 | 526 | 592 |

YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1$ kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x25 + 16 | RM/RM | 24,3 | 760 | 1000 | 1,20 | 111 | 100 |
| 3x35 + 16 | RM/RM | 26,5 | 880 | 1000 | 0,868 | 132 | 122 |
| 3x50 + 25 | RM/RM | 30,2 | 1210 | 1000 | 0,641 | 157 | 147 |
| 3x70 + 35 | RM/RM | 35,4 | 1650 | 1000 | 0,443 | 195 | 189 |
| 3x95 + 50 | RM/RM | 39,9 | 2070 | 1000 | 0,320 | 233 | 232 |
| 3x120 + 70 | RM/RM | 44,6 | 2600 | 1000 | 0,253 | 266 | 270 |
| 3x150 + 70 | RM/RM | 49,0 | 3200 | 1000 | 0,206 | 299 | 308 |
| 3x185 + 95 | RM/RM | 54,5 | 3900 | 1000 | 0,164 | 340 | 357 |
| 3x240 + 120 | RM/RM | 61,1 | 4850 | 500 | 0,125 | 401 | 435 |
| 3x300 + 150 | RM/RM | 67,4 | 5950 | 500 | 0,100 | 455 | 501 |

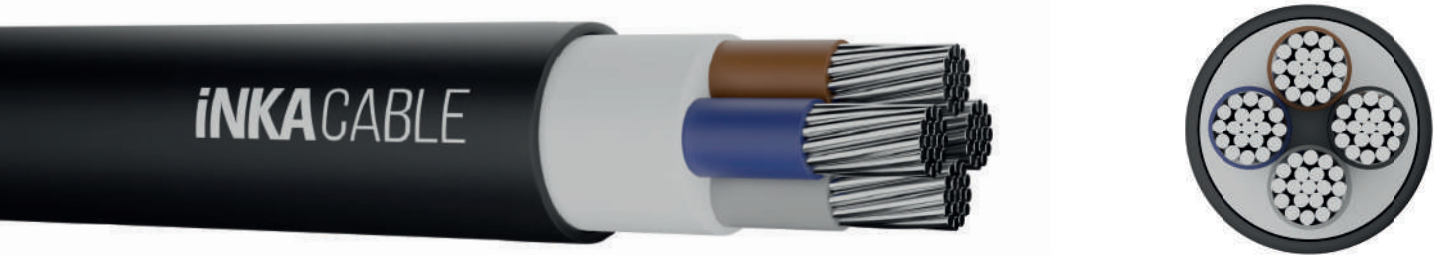
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

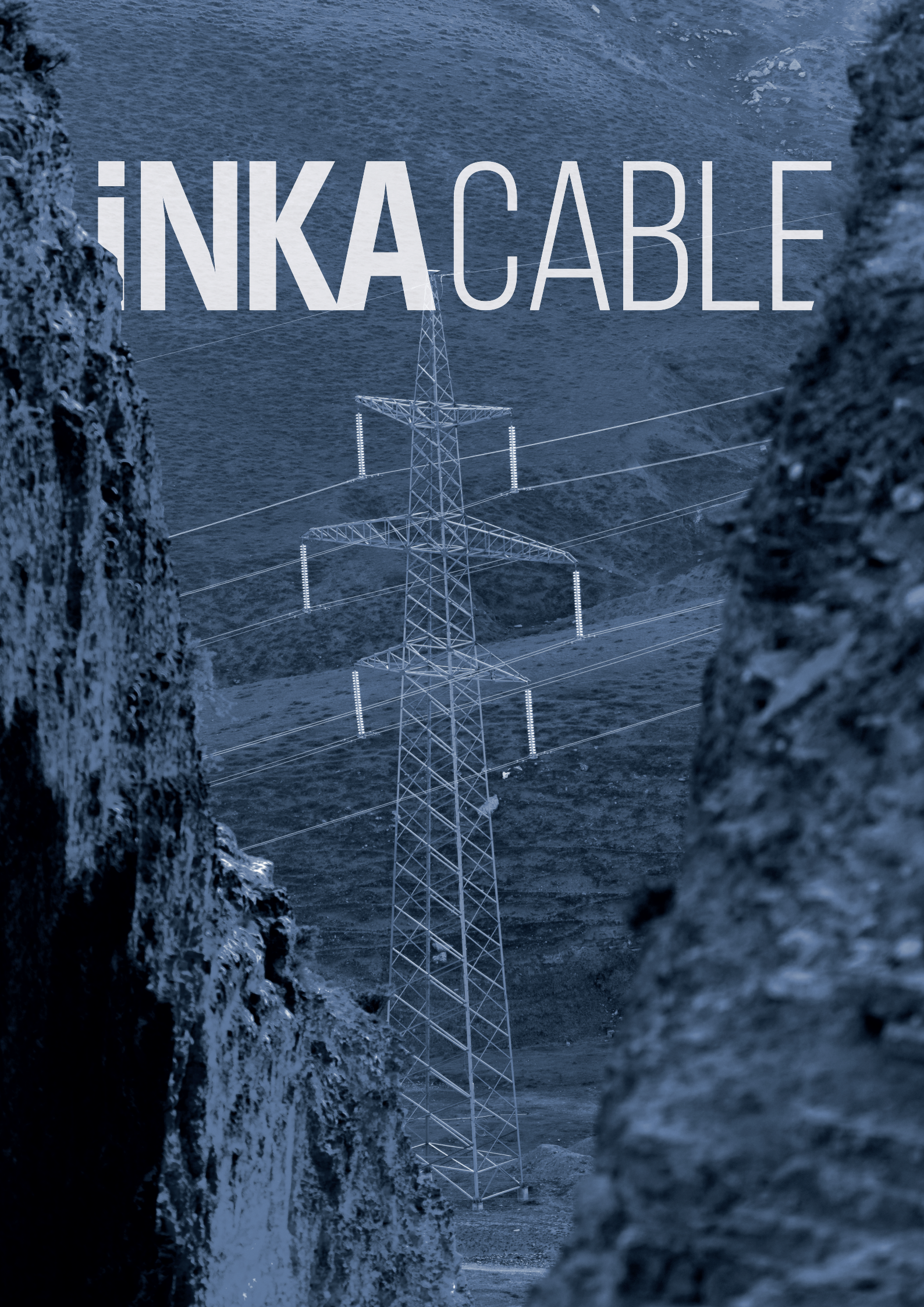
Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x25 | RM | 24,7 | 810 | 1000 | 1,20 | 111 | 100 |
| 4x35 | RM | 26,9 | 950 | 1000 | 0,868 | 132 | 122 |
| 4x50 | RM | 30,1 | 1250 | 1000 | 0,641 | 157 | 147 |
| 4x70 | RM | 35,3 | 1700 | 1000 | 0,443 | 195 | 189 |
| 4x95 | RM | 39,6 | 2200 | 1000 | 0,320 | 233 | 232 |
| 4x120 | RM | 44,4 | 2800 | 1000 | 0,253 | 266 | 270 |
| 4x150 | RM | 48,9 | 3400 | 1000 | 0,206 | 299 | 308 |
| 4x185 | RM | 54,2 | 4100 | 1000 | 0,164 | 340 | 357 |
| 4x240 | RM | 61,0 | 5350 | 500 | 0,125 | 401 | 435 |
| 4x300 | RM | 67,4 | 6500 | 500 | 0,100 | 455 | 501 |
| 4x400 | RM | 74,2 | 8600 | 500 | 0,0778 | 526 | 592 |

INKA CABLE



YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 50 N/mm ² | Sheath | PVC IEC 60502-1 |
| Rated current carrying capacity | Flat Formation | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are with very low dielectric losses and are used as power cables in power centers, switchgear and industrial plants, in local energy distribution, where there is no risk of mechanical damage (externally, indoors), underground or in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x1,5 | RE | 5,5 | 45 | 1000 | 12,1 | 39 | 32 |
| 1x2,5 | RE | 6,0 | 55 | 1000 | 7,41 | 51 | 42 |
| 1x4 | RE | 6,4 | 73 | 1000 | 4,61 | 66 | 56 |
| 1x6 | RE | 6,9 | 94 | 1000 | 3,08 | 82 | 71 |
| 1x10 | RM | 8,1 | 138 | 1000 | 1,83 | 109 | 96 |
| 1x16 | RM | 9,1 | 205 | 1000 | 1,15 | 139 | 128 |
| 1x25 | RM | 10,7 | 305 | 1000 | 0,727 | 179 | 173 |
| 1x35 | RM | 11,6 | 395 | 1000 | 0,524 | 213 | 212 |
| 1x50 | RM | 12,9 | 525 | 1000 | 0,387 | 251 | 258 |
| 1x70 | RM | 14,8 | 755 | 1000 | 0,268 | 307 | 328 |
| 1x95 | RM | 16,7 | 995 | 1000 | 0,193 | 366 | 404 |
| 1x120 | RM | 18,3 | 1260 | 1000 | 0,153 | 416 | 471 |
| 1x150 | RM | 20,3 | 1560 | 1000 | 0,124 | 465 | 541 |
| 1x185 | RM | 22,3 | 1890 | 1000 | 0,0991 | 526 | 626 |
| 1x240 | RM | 25,0 | 2430 | 1000 | 0,0754 | 610 | 749 |
| 1x300 | RM | 27,7 | 2995 | 1000 | 0,0601 | 689 | 864 |
| 1x400 | RM | 30,9 | 3980 | 1000 | 0,0470 | 788 | 1018 |
| 1x500 | RM | 34,8 | 4990 | 1000 | 0,0366 | 889 | 1173 |
| 1x630 | RM | 39,1 | 6050 | 1000 | 0,0283 | 917 | 1186 |

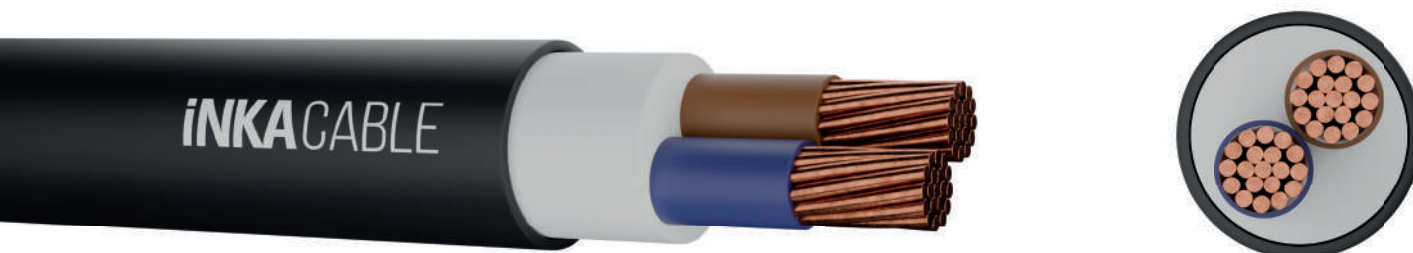
YXV - R / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x1,5 | RE | 11,1 | 150 | 1000 | 12,1 | 39 | 32 |
| 2x2,5 | RE | 11,9 | 190 | 1000 | 7,41 | 51 | 42 |
| 2x4 | RE | 12,8 | 255 | 1000 | 4,61 | 66 | 56 |
| 2x6 | RE | 13,8 | 305 | 1000 | 3,08 | 82 | 71 |
| 2x10 | RM | 16,2 | 450 | 1000 | 1,83 | 109 | 96 |
| 2x16 | RM | 18,2 | 620 | 1000 | 1,15 | 115 | 125 |
| 2x25 | RM | 21,4 | 910 | 1000 | 0,727 | 145 | 155 |
| 2x35 | RM | 23,2 | 1140 | 1000 | 0,524 | 175 | 195 |
| 2x50 | RM | 25,7 | 1470 | 1000 | 0,387 | 210 | 235 |
| 2x70 | RM | 29,5 | 2030 | 1000 | 0,268 | 255 | 300 |
| 2x95 | RM | 33,7 | 2710 | 1000 | 0,193 | 310 | 370 |
| 2x120 | RM | 37,2 | 3380 | 1000 | 0,153 | 355 | 430 |
| 2x150 | RM | 40,9 | 4100 | 1000 | 0,124 | 400 | 490 |
| 2x185 | RM | 45,6 | 5100 | 1000 | 0,0991 | 455 | 570 |
| 2x240 | RM | 50,9 | 6600 | 500 | 0,0754 | 530 | 680 |
| 2x300 | RM | 56,7 | 8250 | 500 | 0,0601 | 605 | 785 |
| 2x400 | RM | 63,2 | 10500 | 500 | 0,0470 | 690 | 860 |

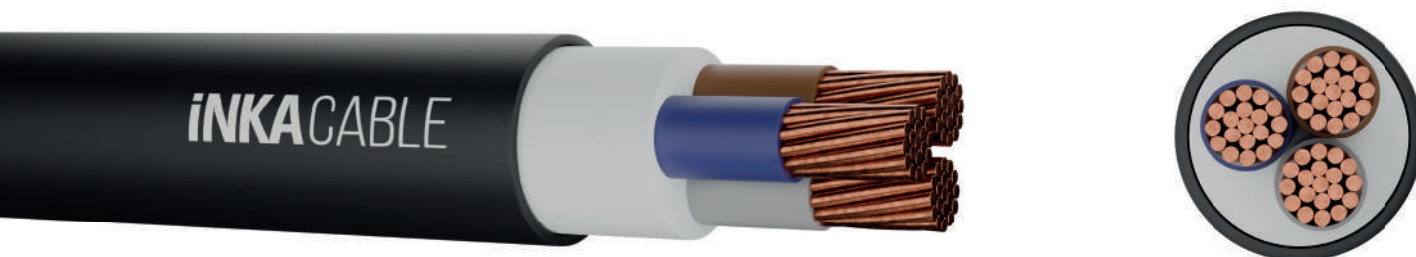
YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown,Black,Grey |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x1,5 | RE | 11,6 | 180 | 1000 | 12,1 | 30 | 24 |
| 3x2,5 | RE | 12,4 | 230 | 1000 | 7,41 | 40 | 32 |
| 3x4 | RE | 13,4 | 300 | 1000 | 4,61 | 52 | 42 |
| 3x6 | RE | 14,5 | 370 | 1000 | 3,08 | 64 | 53 |
| 3x10 | RM | 17,0 | 550 | 1000 | 1,83 | 86 | 73 |
| 3x16 | RM | 19,2 | 700 | 1000 | 1,15 | 111 | 96 |
| 3x25 | RM | 22,7 | 1150 | 1000 | 0,727 | 143 | 130 |
| 3x35 | RM | 24,6 | 1500 | 1000 | 0,524 | 173 | 160 |
| 3x50 | RM | 27,3 | 1950 | 1000 | 0,387 | 205 | 195 |
| 3x70 | RM | 31,6 | 2750 | 1000 | 0,268 | 252 | 247 |
| 3x95 | RM | 35,9 | 3600 | 1000 | 0,193 | 303 | 305 |
| 3x120 | RM | 39,6 | 4500 | 1000 | 0,153 | 346 | 356 |
| 3x150 | RM | 44,2 | 5600 | 500 | 0,124 | 390 | 407 |
| 3x185 | RM | 48,9 | 6900 | 500 | 0,0991 | 441 | 469 |
| 3x240 | RM | 54,5 | 8900 | 500 | 0,0754 | 511 | 551 |
| 3x300 | RM | 60,7 | 11000 | 250 | 0,0601 | 580 | 638 |
| 3x400 | RM | 67,9 | 14500 | 250 | 0,0470 | 663 | 746 |

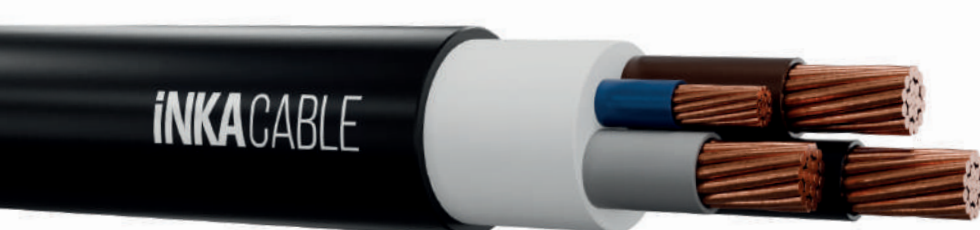
YXV - R / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1$ kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|----------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, cBlack, cGrey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x16 + 10 | RM | 20,6 | 840 | 1000 | 1,15 | 111 | 96 |
| 3x25 + 16 | RM | 24,3 | 1290 | 1000 | 0,727 | 143 | 130 |
| 3x35 + 16 | RM | 26,5 | 1600 | 1000 | 0,524 | 173 | 160 |
| 3x50 + 25 | RM | 30,2 | 2100 | 1000 | 0,387 | 205 | 195 |
| 3x70 + 35 | RM | 35,4 | 3000 | 1000 | 0,268 | 252 | 247 |
| 3x95 + 50 | RM | 39,9 | 4000 | 1000 | 0,193 | 303 | 305 |
| 3x120 + 70 | RM | 44,6 | 5300 | 500 | 0,153 | 346 | 356 |
| 3x150 + 70 | RM | 49 | 6300 | 500 | 0,124 | 390 | 407 |
| 3x185 + 95 | RM | 54,5 | 7800 | 500 | 0,0991 | 441 | 469 |
| 3x240 + 120 | RM | 61,1 | 10150 | 500 | 0,0754 | 511 | 551 |
| 3x300 + 150 | RM | 67,4 | 12400 | 250 | 0,0601 | 580 | 638 |

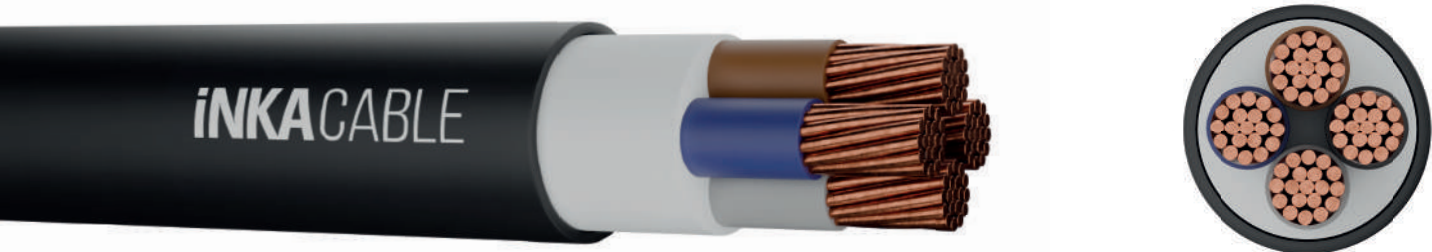
YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Blue, Brow, Grey, Black |
| Max. Permessble Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

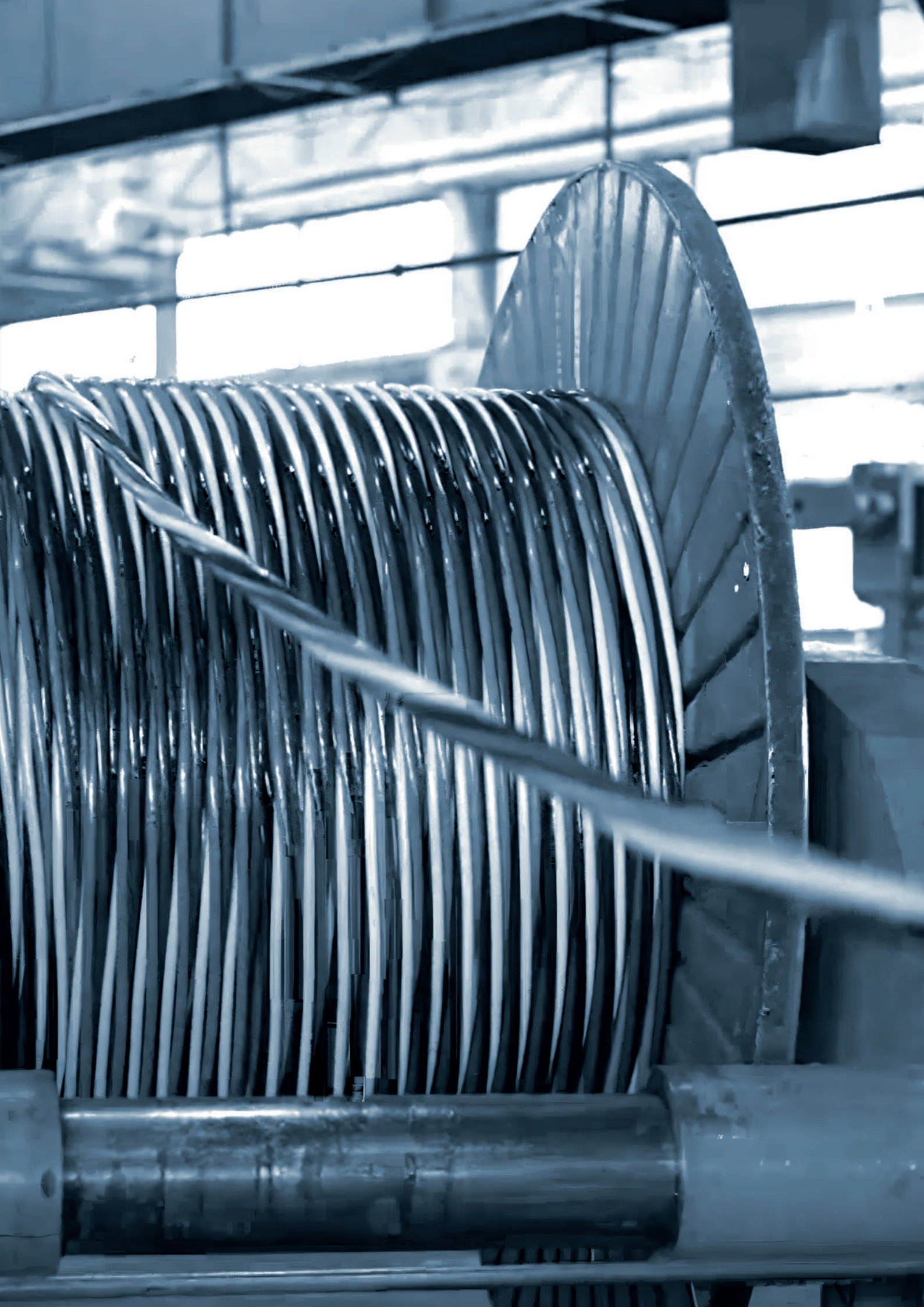
Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x1,5 | RE | 12,3 | 190 | 1000 | 12,1 | 30 | 24 |
| 4x2,5 | RE | 13,2 | 240 | 1000 | 7,41 | 40 | 32 |
| 4x4 | RE | 14,3 | 340 | 1000 | 4,61 | 52 | 42 |
| 4x6 | RE | 15,5 | 460 | 1000 | 3,08 | 64 | 53 |
| 4x10 | RM | 18,4 | 640 | 1000 | 1,83 | 86 | 73 |
| 4x16 | RM | 20,8 | 910 | 1000 | 1,15 | 111 | 96 |
| 4x25 | RM | 24,7 | 1410 | 1000 | 0,727 | 143 | 130 |
| 4x35 | RM | 26,9 | 1900 | 1000 | 0,524 | 173 | 160 |
| 4x50 | RM | 30,1 | 2400 | 1000 | 0,387 | 205 | 195 |
| 4x70 | RM | 35,3 | 3400 | 1000 | 0,268 | 252 | 247 |
| 4x95 | RM | 39,6 | 4600 | 1000 | 0,193 | 303 | 305 |
| 4x120 | RM | 44,4 | 6000 | 500 | 0,153 | 346 | 356 |
| 4x150 | RM | 48,9 | 7300 | 500 | 0,124 | 390 | 407 |
| 4x185 | RM | 54,2 | 8900 | 500 | 0,0991 | 441 | 469 |
| 4x240 | RM | 61,0 | 11500 | 250 | 0,0754 | 511 | 551 |
| 4x300 | RM | 67,4 | 14200 | 250 | 0,0601 | 580 | 638 |
| 4x400 | RM | 74,2 | 18750 | 250 | 0,0470 | 663 | 746 |



YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 | SM | 24,6 | 1000 | 0,387 | 185 | 159 |
| 3x70 | SM | 27,0 | 1000 | 0,268 | 228 | 202 |
| 3x95 | SM | 30,7 | 1000 | 0,193 | 275 | 244 |
| 3x120 | SM | 33,1 | 500 | 0,153 | 313 | 282 |
| 3x150 | SM | 36,8 | 500 | 0,124 | 353 | 324 |
| 3x185 | SM | 40,6 | 500 | 0,0991 | 399 | 371 |
| 3x240 | SM | 45,6 | 500 | 0,0754 | 464 | 436 |
| 3x300 | SM | 50,2 | 250 | 0,0601 | 524 | 481 |

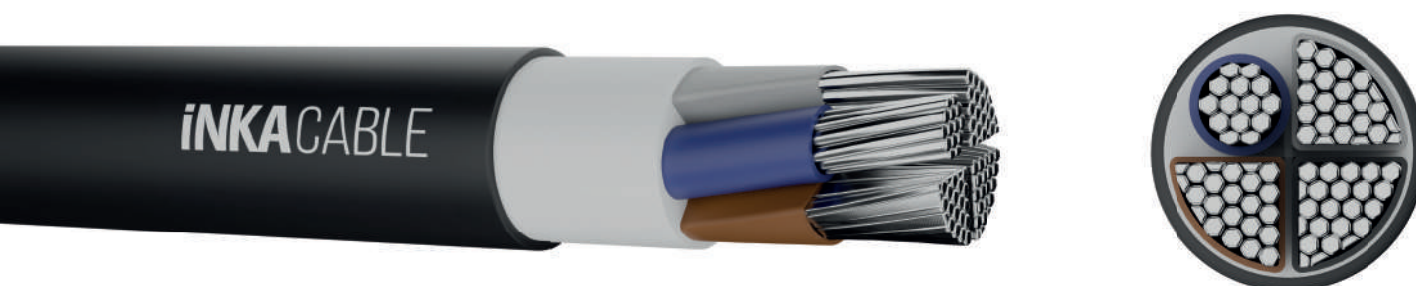
YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 + 25 | SM/RM | 24,4 | 1000 | 10,641 | 142 | 124 |
| 3x70 + 35 | SM/RM | 27,4 | 1000 | 0,443 | 176 | 158 |
| 3x95 + 50 | SM/RM | 32,0 | 1000 | 0,320 | 211 | 160 |
| 3x120 + 70 | SM/RM | 35,0 | 1000 | 0,253 | 242 | 220 |
| 3x150 + 70 | SM/RM | 38,8 | 1000 | 0,206 | 270 | 252 |
| 3x185 + 95 | SM/RM | 43,2 | 500 | 0,164 | 308 | 289 |
| 3x240 + 120 | SM/RM | 49,0 | 500 | 0,125 | 363 | 339 |
| 3x300 + 150 | SM/RM | 54,2 | 500 | 0,100 | 412 | 377 |

YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape/ PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 | SM | 25,4 | 1000 | 0,641 | 142 | 124 |
| 4x70 | SM | 28,6 | 1000 | 0,443 | 176 | 158 |
| 4x95 | SM | 33,0 | 1000 | 0,320 | 211 | 160 |
| 4x120 | SM | 36,0 | 1000 | 0,253 | 242 | 220 |
| 4x150 | SM | 40,0 | 1000 | 0,206 | 270 | 252 |
| 4x185 | SM | 44,4 | 500 | 0,164 | 308 | 289 |
| 4x240 | SM | 50,2 | 500 | 0,125 | 363 | 339 |
| 4x300 | SM | 55,4 | 500 | 0,100 | 412 | 377 |
| 4x400 | SM | 63,6 | 500 | 0,0778 | 475 | 444 |

YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70°C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160°C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

RE - solid round conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 + 1,5 | SM/RE | 34,0 | 1000 | 0,641 | 142 | 124 |
| 4x70 + 1,5 | SM/RE | 38,5 | 1000 | 0,443 | 176 | 158 |
| 4x95 + 1,5 | SM/RE | 43,5 | 1000 | 0,320 | 211 | 160 |
| 4x120 + 1,5 | SM/RE | 48,0 | 1000 | 0,253 | 242 | 220 |
| 4x150 + 1,5 | SM/RE | 53,0 | 1000 | 0,206 | 270 | 252 |
| 4x185 + 1,5 | SM/RE | 59,0 | 500 | 0,164 | 308 | 289 |
| 4x240 + 1,5 | SM/RE | 66,0 | 500 | 0,125 | 363 | 339 |

INKA CABLE



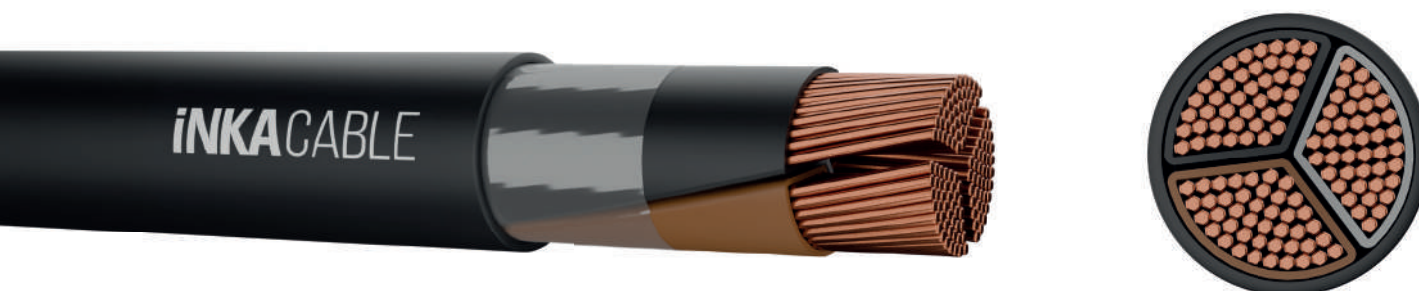
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 70°C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160°C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 | SM | 24,6 | 1000 | 0,387 | 185 | 159 |
| 3x70 | SM | 27,0 | 1000 | 0,268 | 228 | 202 |
| 3x95 | SM | 30,7 | 1000 | 0,193 | 275 | 244 |
| 3x120 | SM | 33,1 | 500 | 0,153 | 313 | 282 |
| 3x150 | SM | 36,8 | 500 | 0,124 | 353 | 324 |
| 3x185 | SM | 40,6 | 500 | 0,0991 | 399 | 371 |
| 3x240 | SM | 45,6 | 500 | 0,0754 | 464 | 436 |
| 3x300 | SM | 50,2 | 250 | 0,0601 | 524 | 481 |

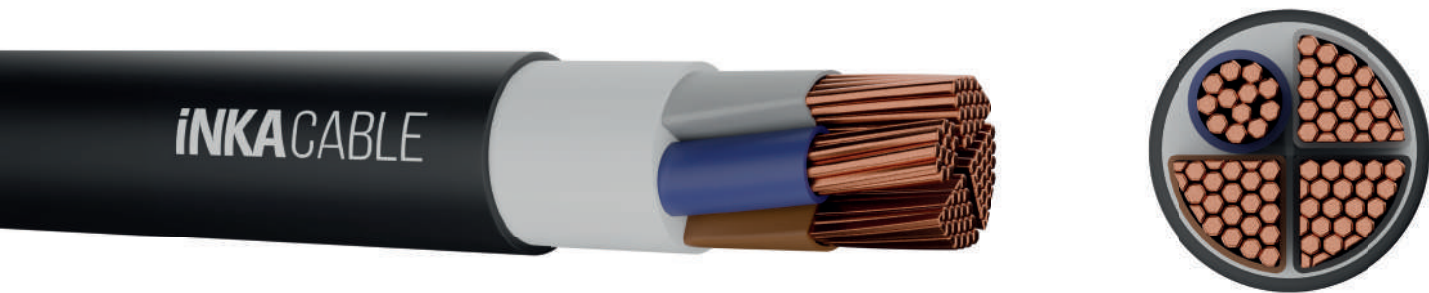
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 + 25 | SM/RM | 24,4 | 1000 | 0,387 | 185 | 159 |
| 3x70 + 35 | SM/RM | 27,4 | 1000 | 0,268 | 228 | 202 |
| 3x95 + 50 | SM/RM | 32,0 | 1000 | 0,193 | 275 | 244 |
| 3x120 + 70 | SM/RM | 35,0 | 500 | 0,153 | 313 | 282 |
| 3x150 + 70 | SM/RM | 38,8 | 500 | 0,124 | 353 | 324 |
| 3x185 + 95 | SM/RM | 43,2 | 500 | 0,0991 | 399 | 371 |
| 3x240 + 120 | SM/RM | 49,0 | 500 | 0,0754 | 464 | 436 |

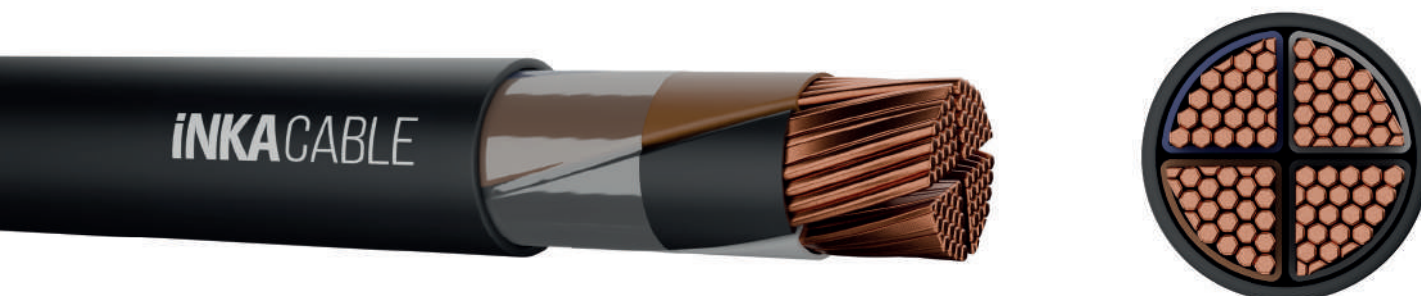
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 | SM | 25,4 | 1000 | 0,387 | 185 | 159 |
| 4x70 | SM | 28,6 | 1000 | 0,268 | 228 | 202 |
| 4x95 | SM | 33,0 | 1000 | 0,193 | 275 | 244 |
| 4x120 | SM | 36,0 | 500 | 0,153 | 313 | 282 |
| 4x150 | SM | 40,4 | 500 | 0,124 | 353 | 324 |
| 4x185 | SM | 44,4 | 500 | 0,0991 | 399 | 371 |
| 4x240 | SM | 50,2 | 500 | 0,0754 | 464 | 436 |



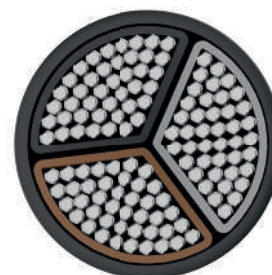
YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 | SM | 23,2 | 1000 | 0,641 | 157 | 147 |
| 3x70 | SM | 25,9 | 1000 | 0,443 | 195 | 189 |
| 3x95 | SM | 28,9 | 1000 | 0,320 | 233 | 232 |
| 3x120 | SM | 31,6 | 1000 | 0,253 | 266 | 270 |
| 3x150 | SM | 35,3 | 1000 | 0,206 | 299 | 308 |
| 3x185 | SM | 39,2 | 1000 | 0,164 | 340 | 357 |
| 3x240 | SM | 43,8 | 1000 | 0,125 | 401 | 435 |
| 3x300 | SM | 48,0 | 500 | 0,100 | 455 | 501 |

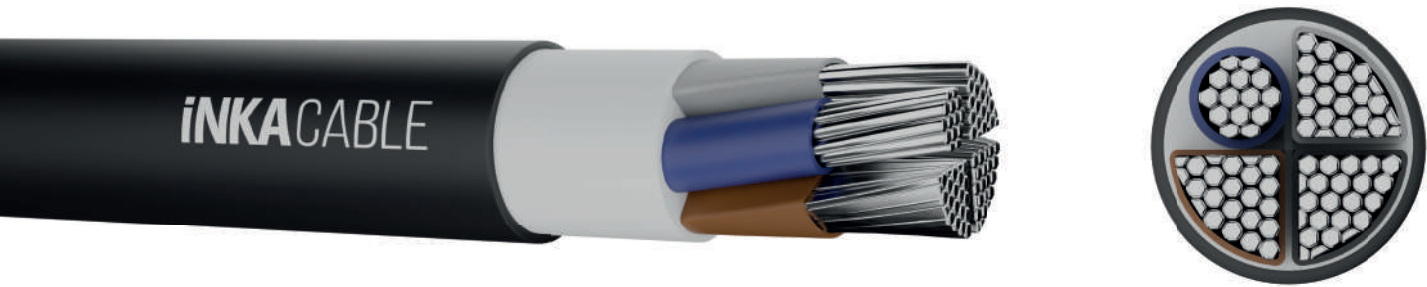
YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 + 25 | SM/RM | 22,8 | 1000 | 0,641 | 157 | 147 |
| 3x70 + 35 | SM/RM | 26,2 | 1000 | 0,443 | 195 | 189 |
| 3x95 + 50 | SM/RM | 30,0 | 1000 | 0,320 | 233 | 232 |
| 3x120 + 70 | SM/RM | 33,4 | 1000 | 0,253 | 266 | 270 |
| 3x150 + 70 | SM/RM | 37,2 | 1000 | 0,206 | 299 | 308 |
| 3x185 + 95 | SM/RM | 41,6 | 1000 | 0,164 | 340 | 357 |
| 3x240 + 120 | SM/RM | 47,0 | 500 | 0,125 | 401 | 435 |
| 3x300 + 150 | SM/RM | 51,8 | 500 | 0,100 | 455 | 501 |

YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM – multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 | SM | 23,8 | 1000 | 0,641 | 157 | 147 |
| 4x70 | SM | 27,4 | 1000 | 0,443 | 195 | 189 |
| 4x95 | SM | 31,0 | 1000 | 0,320 | 233 | 232 |
| 4x120 | SM | 34,4 | 1000 | 0,253 | 266 | 270 |
| 4x150 | SM | 38,4 | 1000 | 0,206 | 299 | 308 |
| 4x185 | SM | 42,8 | 1000 | 0,164 | 340 | 357 |
| 4x240 | SM | 48,2 | 500 | 0,125 | 401 | 435 |
| 4x300 | SM | 53,0 | 500 | 0,100 | 455 | 501 |
| 4x400 | SM | 61,2 | 500 | 0,0778 | 526 | 592 |

YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

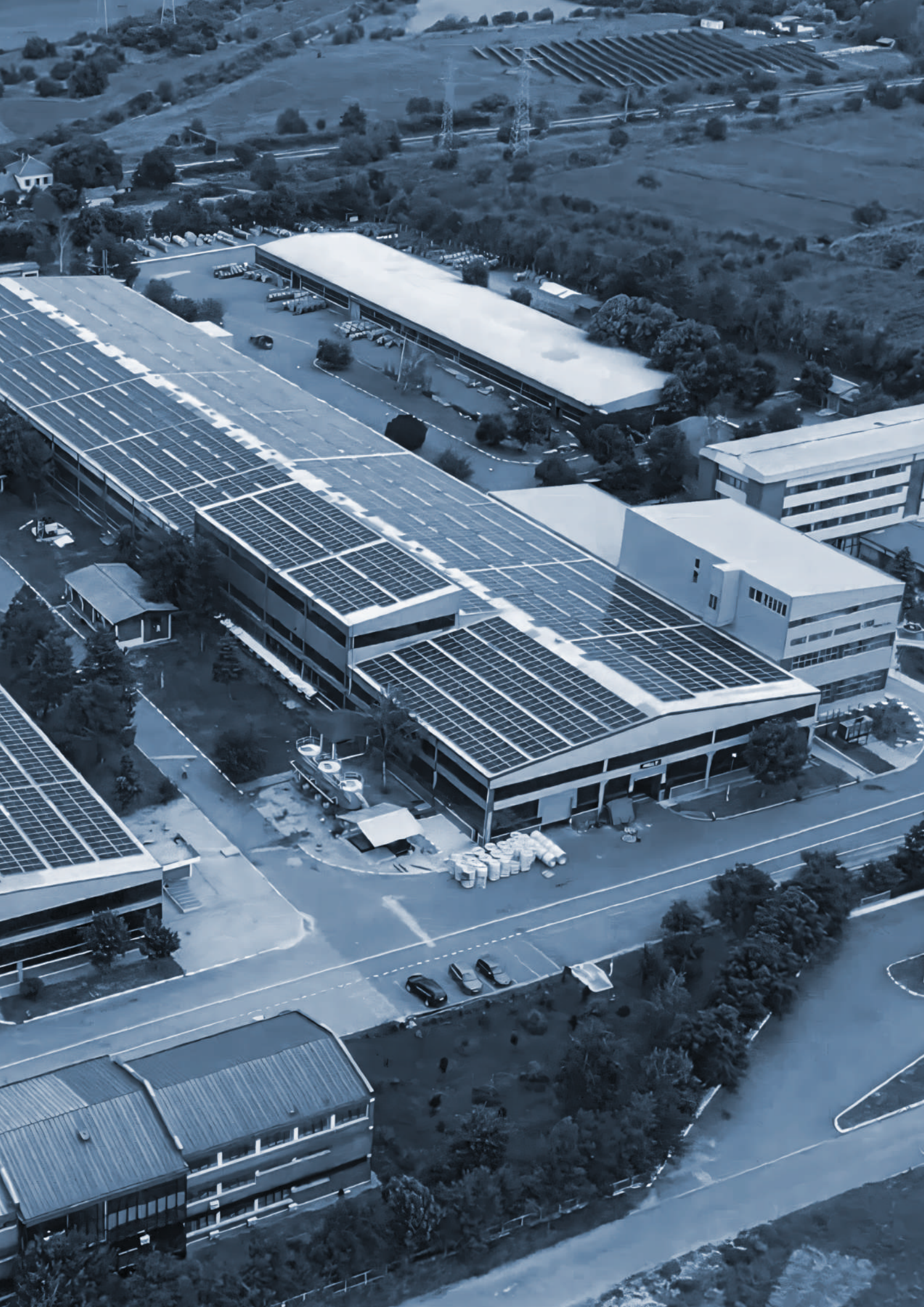
Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

RE - solid round conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 + 1,5 | SM/RE | 31,5 | 1000 | 0,641 | 157 | 147 |
| 4x70 + 1,5 | SM/RE | 36,5 | 1000 | 0,443 | 195 | 189 |
| 4x95 + 1,5 | SM/RE | 41,0 | 1000 | 0,320 | 233 | 232 |
| 4x120 + 1,5 | SM/RE | 46,0 | 1000 | 0,253 | 266 | 270 |
| 4x150 + 1,5 | SM/RE | 51,0 | 1000 | 0,206 | 299 | 308 |
| 4x185 + 1,5 | SM/RE | 56,5 | 1000 | 0,164 | 340 | 357 |
| 4x240 + 1,5 | SM/RE | 63,0 | 500 | 0,125 | 401 | 435 |



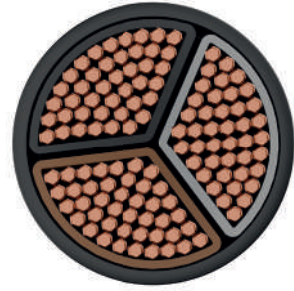
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

SM – multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 | SM | 23,2 | 1000 | 0,387 | 205 | 195 |
| 3x70 | SM | 25,9 | 1000 | 0,268 | 252 | 247 |
| 3x95 | SM | 28,9 | 1000 | 0,193 | 303 | 305 |
| 3x120 | SM | 31,2 | 500 | 0,153 | 346 | 356 |
| 3x150 | SM | 35,3 | 500 | 0,124 | 390 | 407 |
| 3x185 | SM | 39,2 | 500 | 0,0991 | 441 | 469 |
| 3x240 | SM | 43,8 | 250 | 0,0754 | 511 | 551 |
| 3x300 | SM | 48,0 | 250 | 0,0601 | 580 | 638 |

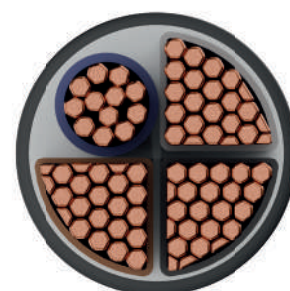
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RM – multiwire round shaped conductor

SM – multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x50 + 25 | SM/RM | 22,8 | 1000 | 0,387 | 205 | 195 |
| 3x70 + 35 | SM/RM | 26,2 | 1000 | 0,268 | 252 | 247 |
| 3x95 + 50 | SM/RM | 30,0 | 1000 | 0,193 | 303 | 305 |
| 3x120 + 70 | SM/RM | 33,4 | 500 | 0,153 | 346 | 356 |
| 3x150 + 70 | SM/RM | 37,2 | 500 | 0,124 | 390 | 407 |
| 3x185 + 95 | SM/RM | 41,6 | 500 | 0,0991 | 441 | 469 |
| 3x240 + 120 | SM/RM | 47,0 | 500 | 0,0754 | 511 | 551 |

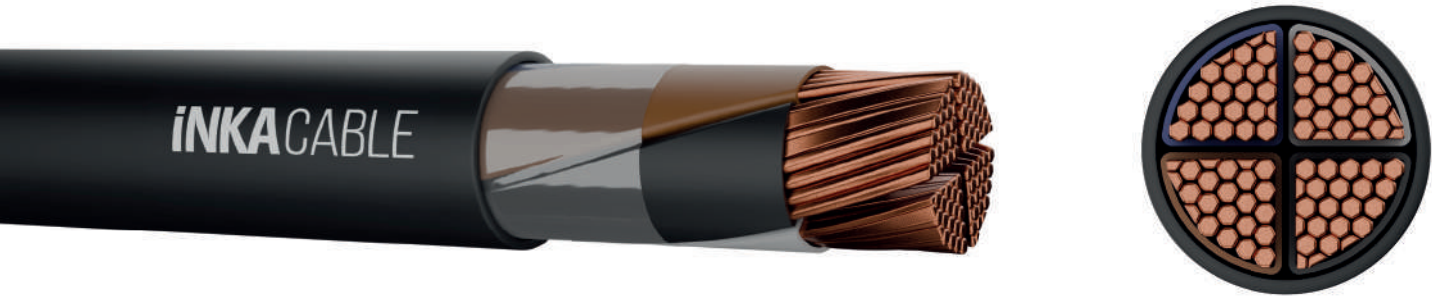
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 / PE Tape |
| Rated current carrying capacity | One system | Sheath | PVC IEC 60502-1 |
| | | Color of Sheath | Black |

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

SM – multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|--------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Cable Diameter (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x50 | SM | 23,8 | 1000 | 0,387 | 205 | 195 |
| 4x70 | SM | 27,4 | 1000 | 0,268 | 252 | 247 |
| 4x95 | SM | 31,0 | 1000 | 0,193 | 303 | 305 |
| 4x120 | SM | 34,4 | 500 | 0,153 | 346 | 356 |
| 4x150 | SM | 38,4 | 500 | 0,124 | 390 | 407 |
| 4x185 | SM | 42,8 | 500 | 0,0991 | 441 | 469 |
| 4x240 | SM | 48,2 | 250 | 0,0754 | 511 | 551 |



INKA CABLE

YAXZ1-R / NA2XH

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

One Core / Aluminium Conductor / XLPE insulated / HFFRLS Sheath

Rated Voltage: $U_0/U; 0,6/1$ kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 30 N/mm ² | Sheath | IEC 60502-1 HFFRLS |
| Rated current carrying capacity | Flat Formation | Color of Sheath | Black |

Application

The NA2XH/YAXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x25 | RM | 10,7 | 140 | 1000 | 1,200 | 150 | 135 |
| 1x35 | RM | 11,6 | 170 | 1000 | 0,868 | 164 | 163 |
| 1x50 | RM | 12,9 | 240 | 1000 | 0,641 | 195 | 200 |
| 1x70 | RM | 14,8 | 315 | 1000 | 0,443 | 238 | 254 |
| 1x95 | RM | 16,7 | 415 | 1000 | 0,320 | 284 | 313 |
| 1x120 | RM | 18,3 | 490 | 1000 | 0,253 | 323 | 366 |
| 1x150 | RM | 20,3 | 585 | 1000 | 0,206 | 361 | 420 |
| 1x185 | RM | 22,3 | 735 | 1000 | 0,164 | 408 | 486 |
| 1x240 | RM | 25,0 | 935 | 1000 | 0,125 | 476 | 585 |
| 1x300 | RM | 27,7 | 1145 | 1000 | 0,100 | 537 | 675 |
| 1x400 | RM | 30,9 | 1510 | 1000 | 0,0778 | 616 | 798 |
| 1x500 | RM | 34,8 | 1760 | 1000 | 0,0605 | 699 | 926 |

YAXZ1 - R / NA2XH

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

Two Cores / Aluminum Conductor / XLPE insulated / HFFRLS Filler / HFFRLS Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The NA2XH/YAXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM - multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x25 | RM | 21,4 | 590 | 1000 | 1,20 | 110 | 115 |
| 2x35 | RM | 23,2 | 690 | 1000 | 0,868 | 130 | 140 |
| 2x50 | RM | 25,7 | 885 | 1000 | 0,641 | 155 | 175 |
| 2x70 | RM | 29,5 | 1185 | 1000 | 0,443 | 195 | 220 |
| 2x95 | RM | 33,7 | 1520 | 1000 | 0,320 | 235 | 270 |

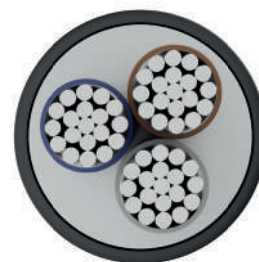
YAXZ1 - R / NA2XH

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

Three Cores / Aluminum Conductor / XLPE insulated / HFFRLS Filler / HFFRLS Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6 / 1\text{ kV}$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The NA2XH/YAXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable [Approximately] | Weight of Cable [Approximately] | Length of Cable [Approximately] | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| | | | | | | Under Ground 20 °C | In Air 30 °C |
| No x mm ² | - | mm | kg/km | m | ohm/km | | |
| 3x25 | RM | 22,7 | 640 | 1000 | 1,20 | 111 | 100 |
| 3x35 | RM | 24,6 | 810 | 1000 | 0,868 | 132 | 122 |
| 3x50 | RM | 27,3 | 1095 | 1000 | 0,641 | 157 | 147 |
| 3x70 | RM | 31,6 | 1400 | 1000 | 0,443 | 195 | 189 |
| 3x95 | RM | 35,9 | 1755 | 1000 | 0,320 | 233 | 232 |
| 3x120 | RM | 39,6 | 2210 | 1000 | 0,253 | 266 | 270 |
| 3x150 | RM | 44,2 | 2800 | 1000 | 0,206 | 299 | 308 |
| 3x185 | RM | 48,9 | 3410 | 1000 | 0,164 | 340 | 357 |
| 3x240 | RM | 54,5 | 4360 | 1000 | 0,125 | 401 | 435 |
| 3x300 | RM | 60,7 | 5320 | 500 | 0,100 | 455 | 501 |
| 3x400 | RM | 67,9 | 7020 | 500 | 0,0778 | 526 | 592 |

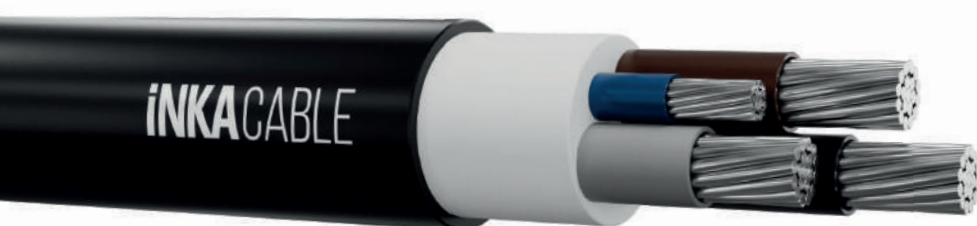
YAXZ1 - R / NA2XH

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

Multi Core / Aluminum Conductor / XLPE insulated / HFFRLS Filler / HFFRLS Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The NA2XH/YAXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x25 + 16 | RM/RM | 24,3 | 760 | 1000 | 1,20 | 111 | 100 |
| 3x35 + 16 | RM/RM | 26,5 | 880 | 1000 | 0,868 | 132 | 122 |
| 3x50 + 25 | RM/RM | 30,2 | 1210 | 1000 | 0,641 | 157 | 147 |
| 3x70 + 35 | RM/RM | 35,4 | 1650 | 1000 | 0,443 | 195 | 189 |
| 3x95 + 50 | RM/RM | 39,9 | 2080 | 1000 | 0,320 | 233 | 232 |
| 3x120 + 70 | RM/RM | 44,6 | 2600 | 1000 | 0,253 | 266 | 270 |
| 3x150 + 70 | RM/RM | 49,0 | 3210 | 1000 | 0,206 | 299 | 308 |
| 3x185 + 95 | RM/RM | 54,5 | 3900 | 1000 | 0,164 | 340 | 357 |
| 3x240 + 120 | RM/RM | 61,1 | 4850 | 500 | 0,125 | 401 | 435 |
| 3x300 + 150 | RM/RM | 67,4 | 5960 | 500 | 0,100 | 455 | 501 |

YAXZ1 - R / NA2XH

Standard: TS HD 604 S1, TS IEC 60502-1, VDE 0276 - 604

Multi Core / Aluminum Conductor / XLPE insulated / HFFRLS Filler / HFFRLS Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 30 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The NA2XH/YAXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| | | | | | | Under Ground 20 °C | In Air 30 °C |
| No x mm ² | - | mm | kg/km | m | ohm/km | | |
| 4x25 | RM | 24,7 | 810 | 1000 | 1,20 | 111 | 100 |
| 4x35 | RM | 26,9 | 950 | 1000 | 0,868 | 132 | 122 |
| 4x50 | RM | 30,1 | 1255 | 1000 | 0,641 | 157 | 147 |
| 4x70 | RM | 35,3 | 1700 | 1000 | 0,443 | 195 | 189 |
| 4x95 | RM | 39,6 | 2200 | 1000 | 0,320 | 233 | 232 |
| 4x120 | RM | 44,4 | 2800 | 1000 | 0,253 | 266 | 270 |
| 4x150 | RM | 48,9 | 3410 | 1000 | 0,206 | 299 | 308 |
| 4x185 | RM | 54,2 | 4110 | 1000 | 0,164 | 340 | 357 |
| 4x240 | RM | 61,0 | 5360 | 500 | 0,125 | 401 | 435 |
| 4x300 | RM | 67,4 | 6520 | 500 | 0,100 | 455 | 501 |
| 4x400 | RM | 74,2 | 8620 | 500 | 0,0778 | 526 | 592 |

INKA CABLE



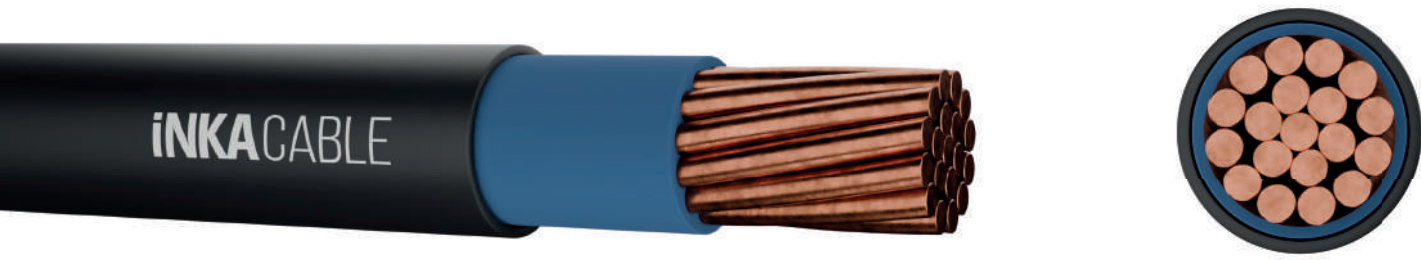
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / XLPE insulated / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 12 x D cable | Color of Insulation | Black or Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | Flat Formation | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The N2XH / YXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 1x4 | RE | 6,4 | 65 | 1000 | 4,61 | 66 | 56 |
| 1x6 | RE | 6,9 | 93 | 1000 | 3,08 | 82 | 71 |
| 1x10 | RM | 8,1 | 120 | 1000 | 1,83 | 109 | 96 |
| 1x16 | RM | 9,1 | 190 | 1000 | 1,15 | 139 | 128 |
| 1x25 | RM | 10,7 | 290 | 1000 | 0,727 | 179 | 173 |
| 1x35 | RM | 11,6 | 395 | 1000 | 0,524 | 213 | 212 |
| 1x50 | RM | 12,9 | 505 | 1000 | 0,387 | 251 | 258 |
| 1x70 | RM | 14,8 | 760 | 1000 | 0,268 | 307 | 328 |
| 1x95 | RM | 16,7 | 955 | 1000 | 0,193 | 366 | 404 |
| 1x120 | RM | 18,3 | 1195 | 1000 | 0,153 | 416 | 471 |
| 1x150 | RM | 20,3 | 1510 | 1000 | 0,124 | 465 | 541 |
| 1x185 | RM | 22,3 | 1840 | 1000 | 0,0991 | 526 | 626 |
| 1x240 | RM | 25,0 | 2340 | 1000 | 0,0754 | 610 | 749 |
| 1x300 | RM | 27,7 | 3010 | 1000 | 0,0601 | 689 | 864 |
| 1x400 | RM | 30,9 | 3920 | 1000 | 0,0470 | 788 | 1018 |
| 1x500 | RM | 34,8 | 4950 | 1000 | 0,0366 | 889 | 1173 |

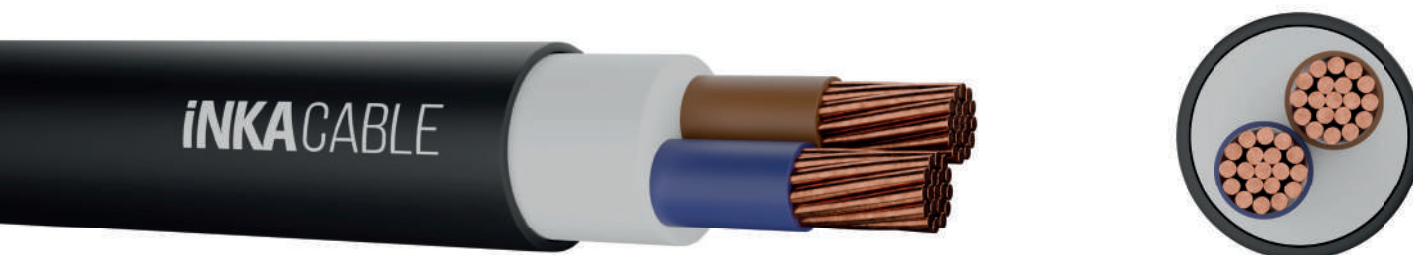
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / XLPE insulated / Filler / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The N2XH / YXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM - multiwire round shaped conductor

RE - solid round conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 2x1,5 | RE | 11,1 | 155 | 1000 | 12,1 | 639 | 32 |
| 2x2,5 | RE | 11,9 | 190 | 1000 | 7,41 | 51 | 42 |
| 2x4 | RE | 12,8 | 235 | 1000 | 4,61 | 66 | 56 |
| 2x6 | RE | 13,8 | 300 | 1000 | 3,08 | 82 | 71 |
| 2x10 | RM | 16,2 | 425 | 1000 | 1,83 | 109 | 96 |
| 2x16 | RM | 18,2 | 615 | 1000 | 1,15 | 115 | 125 |
| 2x25 | RM | 21,4 | 940 | 1000 | 0,727 | 145 | 155 |
| 2x35 | RM | 23,2 | 1210 | 1000 | 0,524 | 175 | 195 |
| 2x50 | RM | 25,7 | 1490 | 1000 | 0,387 | 210 | 235 |
| 2x70 | RM | 29,5 | 2090 | 1000 | 0,268 | 255 | 300 |
| 2x95 | RM | 33,7 | 2770 | 1000 | 0,193 | 310 | 370 |
| 2x120 | RM | 37,2 | 3480 | 1000 | 0,153 | 355 | 430 |
| 2x150 | RM | 40,9 | 4280 | 1000 | 0,124 | 400 | 490 |
| 2x185 | RM | 45,6 | 5300 | 1000 | 0,0991 | 455 | 570 |
| 2x240 | RM | 50,9 | 6910 | 500 | 0,0754 | 530 | 680 |
| 2x300 | RM | 56,7 | 8520 | 500 | 0,0601 | 605 | 785 |
| 2x400 | RM | 63,2 | 10800 | 500 | 0,0470 | 690 | 860 |

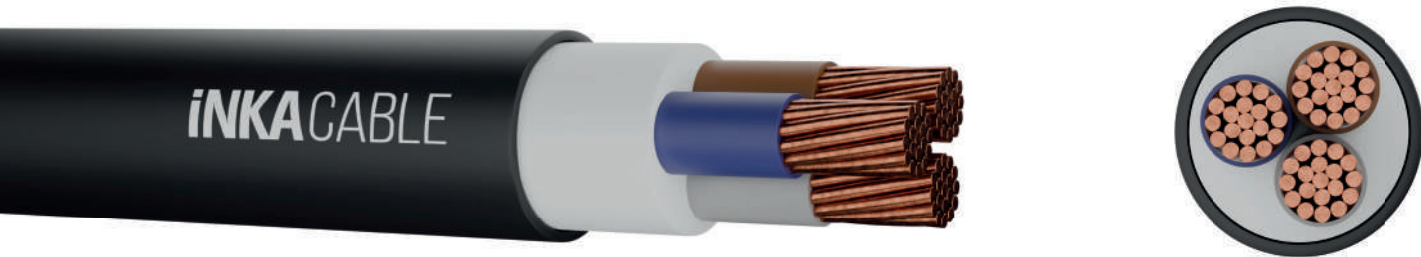
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / Filler / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6 / 1kV$



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|-----------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The N2XH / YXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x1,5 | RE | 11,6 | 155 | 1000 | 12,1 | 30 | 24 |
| 3x2,5 | RE | 12,4 | 205 | 1000 | 7,41 | 40 | 32 |
| 3x4 | RE | 13,4 | 245 | 1000 | 4,61 | 52 | 42 |
| 3x6 | RE | 14,5 | 345 | 1000 | 3,08 | 64 | 53 |
| 3x10 | RM | 17,0 | 510 | 1000 | 1,83 | 86 | 73 |
| 3x16 | RM | 19,2 | 690 | 1000 | 1,15 | 111 | 96 |
| 3x25 | RM | 22,7 | 1140 | 1000 | 0,727 | 143 | 130 |
| 3x35 | RM | 24,6 | 1510 | 1000 | 0,524 | 173 | 160 |
| 3x50 | RM | 27,3 | 1940 | 1000 | 0,387 | 205 | 195 |
| 3x70 | RM | 31,6 | 1980 | 1000 | 0,268 | 252 | 247 |
| 3x95 | RM | 35,9 | 3590 | 1000 | 0,193 | 303 | 305 |
| 3x120 | RM | 39,6 | 4510 | 1000 | 0,153 | 346 | 355 |
| 3x150 | RM | 44,2 | 5520 | 500 | 0,124 | 390 | 407 |
| 3x185 | RM | 48,9 | 6820 | 500 | 0,0991 | 441 | 469 |
| 3x240 | RM | 54,5 | 8910 | 500 | 0,0754 | 511 | 551 |
| 3x300 | RM | 60,7 | 11000 | 250 | 0,0601 | 580 | 638 |
| 3x400 | RM | 67,9 | 14150 | 250 | 0,0470 | 663 | 746 |

YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The N2XH / YXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | – | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 3x16 + 10 | RM | 20,6 | 840 | 1000 | 1,15 | 111 | 96 |
| 3x25 + 16 | RM | 24,3 | 1360 | 1000 | 0,727 | 143 | 130 |
| 3x35 + 16 | RM | 26,5 | 1660 | 1000 | 0,524 | 173 | 160 |
| 3x50 + 25 | RM | 30,2 | 2210 | 1000 | 0,387 | 205 | 195 |
| 3x70 + 35 | RM | 35,4 | 3120 | 1000 | 0,268 | 252 | 247 |
| 3x95 + 50 | RM | 39,9 | 4150 | 1000 | 0,193 | 303 | 305 |
| 3x120 + 70 | RM | 44,6 | 5100 | 500 | 0,153 | 346 | 355 |
| 3x150 + 70 | RM | 49,0 | 6150 | 500 | 0,124 | 390 | 407 |
| 3x185 + 95 | RM | 54,5 | 7700 | 500 | 0,0991 | 441 | 469 |
| 3x240 + 120 | RM | 61,1 | 10000 | 500 | 0,0754 | 511 | 551 |
| 3x300 + 150 | RM | 67,4 | 12350 | 250 | 0,0601 | 580 | 638 |

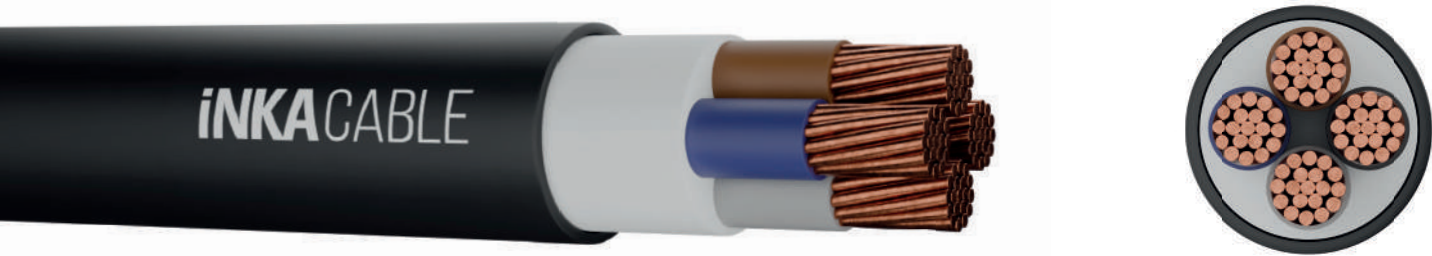
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|----------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | IEC 60228 Class 1 - 2 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | XLPE IEC 60502-1 |
| Bending Radius, min. | 15 x D cable | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permissible Tensile | 50 N/mm ² | Filler | IEC 60502-1 |
| Rated current carrying capacity | One system | Sheath | IEC 60502-1 HFFRLS |
| | | Color of Sheath | Black |

Application

The N2XH / YXZ1 power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) | |
| No x mm ² | - | mm | kg/km | m | ohm/km | Under Ground 20 °C | In Air 30 °C |
| 4x1.5 | RE | 12,3 | 1200 | 1000 | 12,1 | 30 | 24 |
| 4x2.5 | RE | 13,2 | 240 | 1000 | 7,41 | 40 | 32 |
| 4x4 | RE | 14,3 | 310 | 1000 | 4,61 | 52 | 42 |
| 4x6 | RE | 15,5 | 390 | 1000 | 3,08 | 64 | 53 |
| 4x10 | RM | 18,4 | 570 | 1000 | 1,83 | 86 | 73 |
| 4x16 | RM | 20,8 | 840 | 1000 | 1,15 | 111 | 96 |
| 4x25 | RM | 24,7 | 1250 | 1000 | 0,727 | 143 | 130 |
| 4x35 | RM | 26,9 | 1650 | 1000 | 0,524 | 173 | 160 |
| 4x50 | RM | 30,1 | 2200 | 1000 | 0,387 | 205 | 195 |
| 4x70 | RM | 35,3 | 3100 | 1000 | 0,268 | 252 | 247 |
| 4x95 | RM | 39,6 | 4150 | 1000 | 0,193 | 303 | 305 |
| 4x120 | RM | 44,4 | 5400 | 500 | 0,153 | 346 | 355 |
| 4x150 | RM | 48,9 | 7000 | 500 | 0,124 | 390 | 407 |
| 4x185 | RM | 54,2 | 8700 | 500 | 0,0991 | 441 | 469 |
| 4x240 | RM | 61,0 | 11300 | 250 | 0,0754 | 511 | 551 |
| 4x300 | RM | 67,4 | 13900 | 250 | 0,0601 | 580 | 638 |
| 4x400 | RM | 74,2 | 18000 | 250 | 0,0470 | 663 | 746 |



H07V - U / NYA & P/J

Standard: TS EN 50525-2-31, TS IEC 60227; VDE 0295/ IEC60228

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



| Technical Data | | Cable Structure | |
|--------------------------------|--------------------|---------------------|--------------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | Solid Copper Conductor Class 1 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC |
| Rated Voltage | 450 / 750 V | Color of Insulation | Black |
| Bending Radius, min. | 12 x D Cable | Sheath | No Sheath |

Application

H07V -U is a Single core cable with solid copper conductor and is with PVC insulation. It is used in the connections of mobile devices, in closed and dry places inside the building, under or above the plaster, where there is little mechanical stress. Nominal voltage 450/750 V.

RE – solid round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | In Air 30 °C |
| 1x1,5 | RE | 2,8 | 20 | 100 | 12,1 | 24 |
| 1x2,5 | RE | 3,3 | 31 | 100 | 7,41 | 32 |
| 1x4 | RE | 3,8 | 46 | 100 | 4,61 | 42 |
| 1x6 | RE | 4,3 | 65 | 100 | 3,08 | 54 |
| 1x10 | RE | 5,5 | 108 | 100 | 1,83 | 73 |

H07V - R / NYA & P/M

Standard: TS EN 50525-2-31, TS IEC 60227

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U_0/U : 450/750 V



| Technical Data | | Cable Structure | |
|--------------------------------|--------------------|---------------------|--------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | Multi Stranded Conductor |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC |
| Rated Voltage | 450 / 750 V | Color of Insulation | Black |
| Bending Radius, min. | 6 x D Cable | Sheath | No Sheath |

Application

H07V - R is a PVC insulated non-sheathed, multiwire cable with copper conductor, that is preferably for installation indoors, in cable ducts and in industrial plants or switching stations, under ground installation, It is used in pipes under or over the plaster, Nominal voltage 450/750 V.

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | In Air 30 °C |
| 1x10 | RM | 5,9 | 110 | 100 | 1,83 | 73 |
| 1x16 | RM | 7,0 | 170 | 1000 | 1,15 | 98 |
| 1x25 | RM | 8,6 | 260 | 1000 | 0,727 | 129 |
| 1x35 | RM | 9,5 | 355 | 1000 | 0,524 | 158 |
| 1x50 | RM | 10,9 | 485 | 1000 | 0,387 | 198 |
| 1x70 | RM | 12,7 | 685 | 1000 | 0,268 | 245 |
| 1x95 | RM | 14,8 | 940 | 1000 | 0,193 | 292 |
| 1x120 | RM | 16,2 | 1175 | 1000 | 0,153 | 344 |
| 1x150 | RM | 18,0 | 1440 | 1000 | 0,124 | 391 |
| 1x185 | RM | 20,1 | 1800 | 1000 | 0,0991 | 448 |
| 1x240 | RM | 22,9 | 2370 | 1000 | 0,0754 | 528 |

H07V - K / NYAF & P/FJ

Standard: TS EN 50525-2-31, TS IEC 60227

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



| Technical Data | | Cable Structure | |
|--------------------------------|--------------------|---------------------|-----------------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | Flexible copper conductor Class 5 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC |
| Rated Voltage | 450 / 750 V | Color of Insulation | Black |
| Bending Radius, min. | 6 x D Cable | Sheath | No Sheath |

Application

H07V - K is a PVC insulated non-sheathed, single core cable with flexible copper conductor, that is used in the connections of mobile devices, in dry places inside the building. It is used in pipes under or over the plaster, Nominal voltage 450/750 V.

Flexible - Fine stranded copper conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | In Air 30 °C |
| 1x1,5 | FLEXIBLE | 3,0 | 20 | 100 | 13,3 | 24 |
| 1x2,5 | FLEXIBLE | 3,7 | 31 | 100 | 7,98 | 32 |
| 1x4 | FLEXIBLE | 4,2 | 45 | 100 | 4,95 | 42 |
| 1x6 | FLEXIBLE | 4,8 | 63 | 100 | 3,30 | 54 |
| 1x10 | FLEXIBLE | 6,6 | 110 | 100 | 1,91 | 73 |
| 1x16 | FLEXIBLE | 7,9 | 165 | 100 | 1,21 | 98 |
| 1x25 | FLEXIBLE | 9,7 | 250 | 1000 | 0,780 | 129 |
| 1x35 | FLEXIBLE | 11,1 | 345 | 1000 | 0,554 | 158 |
| 1x50 | FLEXIBLE | 13,2 | 495 | 1000 | 0,386 | 198 |
| 1x70 | FLEXIBLE | 15,1 | 680 | 1000 | 0,272 | 245 |
| 1x95 | FLEXIBLE | 17,5 | 895 | 1000 | 0,206 | 292 |
| 1x120 | FLEXIBLE | 19,3 | 1125 | 1000 | 0,161 | 344 |
| 1x150 | FLEXIBLE | 21,6 | 1410 | 1000 | 0,129 | 391 |
| 1x185 | FLEXIBLE | 24,0 | 1750 | 1000 | 0,106 | 448 |
| 1x240 | FLEXIBLE | 27,1 | 2300 | 1000 | 0,0801 | 528 |

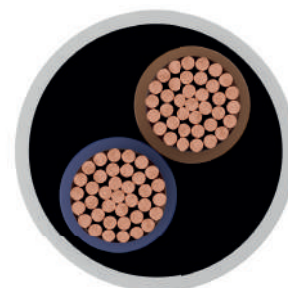
H03VV - F / TTR & PP/L

Standard: TS EN 50525-2-11/ DIN VDE 0281 (HD 21.5)

Multi Core / Copper Conductor / PVC insulated / PVC sheath

Installation Cables

Rated Voltage: U_0/U : 300/300 V



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|---------------------|-----------------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | Flexible Copper Conductor Class 5 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC |
| Rated Voltage | 300 / 300 V | Color of Insulation | Brown, Blue |
| Bending Radius, min. | 6 x D Cable | Sheath | PVC |
| Rated current carrying capacity | One System | Color of Sheath | White or Black |

Application

H03VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress. It is used in household appliances, steamy and humid places. Nominal voltage 300/300 V.

Flexible - Fine stranded copper conductor

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | A |
| 2x0,50 | FLEXIBLE | 5,7 | 47,8 | 100 | 39,0 | 8 |
| 2x0,75 | FLEXIBLE | 5,9 | 54,0 | 100 | 26,0 | 13 |
| 3x0,50 | FLEXIBLE | 5,5 | 44,5 | 100 | 39,0 | 8 |
| 3x0,75 | FLEXIBLE | 5,7 | 52,8 | 100 | 26,0 | 13 |
| 4x0,50 | FLEXIBLE | 6,0 | 54,4 | 100 | 39,0 | 8 |
| 4x0,75 | FLEXIBLE | 6,3 | 64,9 | 100 | 26,0 | 13 |

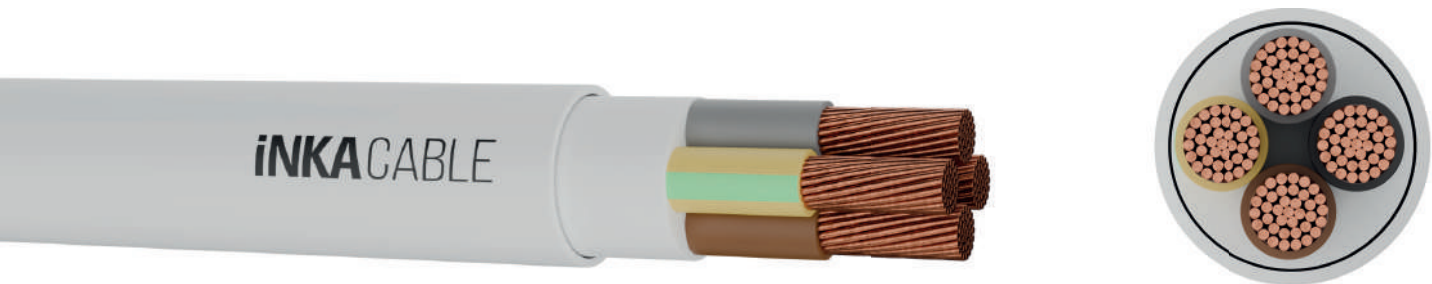
H05VV-F / TTR & PP/J

Standard: TS EN 50525-2-11 / VDE 0281 - 5 (HD 21.5)

Multi Core / Copper Conductor / PVC insulated / Filler (PVC) / PVC Sheath

Installation Cables

Rated Voltage: U₀/U; 300/500kV



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|--|-----------------------------------|
| Core temperature, max. | 70 °C in Operation | Conductor | Flexible copper conductor Class 5 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | PVC |
| Rated Voltage | 300 / 500 V | Color of Insulation | |
| Bending Radius, min. | 6 x D Cable | 2x - Brown, Blue 3x - Brown, Blue, Yellow/Green 4x - Brown, Black, Blue, Yellow/Green 5x - Brown, Black, Grey, Blue, Yellow/Green | |
| Rated current carrying capacity | One system | Sheath | PVC |
| | | Color of Sheath | White or Black |

Application

H05VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress, It is used in household appliances, steamy and humid places. Nominal voltage 300/500 V.

Flexible - Fine stranded copper conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | In Air 30 °C |
| 2x0,75 | FLEXIBLE | 6,7 | 70,4 | 100 | 26,0 | 13 |
| 2x1,0 | FLEXIBLE | 7,1 | 80,0 | 100 | 19,5 | 16 |
| 2x1,5 | FLEXIBLE | 8,1 | 106,0 | 100 | 13,3 | 20 |
| 2x2,5 | FLEXIBLE | 9,8 | 159,3 | 100 | 7,98 | 27 |
| 2x4,0 | FLEXIBLE | 11,1 | 214,0 | 100 | 4,95 | 34 |
| 3x0,75 | FLEXIBLE | 6,6 | 68,1 | 100 | 26,0 | 13 |
| 3x1,0 | FLEXIBLE | 7,0 | 79,0 | 100 | 19,5 | 16 |
| 3x1,5 | FLEXIBLE | 8,3 | 111,1 | 100 | 13,3 | 20 |
| 3x2,5 | FLEXIBLE | 10,1 | 170,5 | 100 | 7,98 | 27 |
| 3x4,0 | FLEXIBLE | 11,5 | 234,6 | 100 | 4,95 | 34 |
| 4x0,75 | FLEXIBLE | 7,2 | 83,0 | 100 | 26,0 | 13 |
| 4x1,0 | FLEXIBLE | 7,8 | 100,8 | 100 | 19,5 | 16 |
| 4x1,5 | FLEXIBLE | 9,2 | 141,3 | 100 | 13,3 | 20 |
| 4x2,5 | FLEXIBLE | 11,0 | 210,3 | 100 | 7,98 | 27 |
| 4x4,0 | FLEXIBLE | 12,6 | 291,2 | 100 | 4,95 | 34 |
| 5x0,75 | FLEXIBLE | 8,1 | 103,4 | 100 | 26,0 | 13 |
| 5x1,0 | FLEXIBLE | 8,5 | 120,7 | 100 | 19,5 | 16 |
| 5x1,5 | FLEXIBLE | 10,3 | 174,7 | 100 | 13,3 | 20 |
| 5x2,5 | FLEXIBLE | 12,3 | 259,5 | 100 | 7,98 | 27 |
| 5x4,0 | FLEXIBLE | 14,1 | 366,1 | 100 | 4,95 | 34 |

NVV / NYM / PP

Standard: TS HD 21.4 S2 / HD 21.4 S2 / VDE 0250/204

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Installation Cables

Rated Voltage: U_0/U ; 300/500 V



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|---|----------------|
| Core temperature, max. | 70 °C in Operation | Conductor | DIN VDE 0295 |
| Max. Short Circuit Temperature | 160 °C / 5 sec. | Insulation | DIN VDE 0207/4 |
| Rated Voltage | 300 / 500 V | Color of Insulation | |
| Bending Radius, mln. | 6 x D Cable | 2x - Brown, Blue | |
| Rated current carrying capacity | One system | 3x - Brown, Blue, Yellow/Green | |
| | | 4x - Brown, Black, Blue, Yellow/Green | |
| | | 5x - Brown, Black, Grey, Blue, Yellow/Green | |
| | | Filler | PVC |
| | | Sheath | PVC |
| | | Color of Sheath | White or Black |

Application

Cable for industrial and home installations. NYM / NVV is a cable that consists of more than one copper core and is with PVC insulation. It is safe in dry place for indoors or outdoors and is not recommended to plant underground. Nominal voltage 300/500 V.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

| DIMENSIONS AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|---|-----------------|---|---------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| Number of cores x Nominal Cross Section | Conductor Shape | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Length of Cable (Approximately) | Conductor DC Resistance at 20 °C | Rated current carrying capacity (A) |
| No x mm ² | - | mm | kg/km | m | ohm/km | A |
| 2x1,5 | RE | 8,7 | 121 | 100 | 12,1 | 18 |
| 2x2,5 | RE | 9,9 | 164 | 100 | 7,41 | 26 |
| 2x4 | RE | 10,8 | 212 | 100 | 4,61 | 34 |
| 2x6 | RE | 11,8 | 271 | 100 | 3,08 | 44 |
| 2x10 | RM | 15,9 | 470 | 1000 | 1,83 | 61 |
| 2x16 | RM | 17,9 | 648 | 1000 | 1,15 | 82 |
| 2x25 | RM | 21,5 | 974 | 1000 | 0,727 | 108 |
| 2x35 | RM | 24,1 | 1278 | 1000 | 0,524 | 135 |
| 3x1,5 | RE | 9,2 | 139 | 100 | 12,1 | 18 |
| 3x2,5 | RE | 10,4 | 191 | 100 | 7,41 | 26 |
| 3x4 | RE | 11,5 | 252 | 100 | 4,61 | 34 |
| 3x6 | RE | 12,9 | 340 | 100 | 3,08 | 44 |
| 3x10 | RM | 16,8 | 560 | 1000 | 1,83 | 61 |
| 3x16 | RM | 19,4 | 810 | 1000 | 1,15 | 82 |
| 3x25 | RM | 23,3 | 1200 | 1000 | 0,727 | 108 |
| 3x35 | RM | 25,7 | 1580 | 1000 | 0,524 | 135 |
| 4x1,5 | RE | 9,9 | 167 | 100 | 12,1 | 18 |
| 4x2,5 | RE | 11,3 | 230 | 100 | 7,41 | 26 |
| 4x4 | RE | 12,9 | 320 | 100 | 4,61 | 34 |
| 4x6 | RE | 14,5 | 435 | 100 | 3,08 | 44 |
| 4x10 | RM | 18,4 | 700 | 1000 | 1,83 | 61 |
| 4x16 | RM | 21,2 | 1000 | 1000 | 1,15 | 82 |
| 4x25 | RM | 25,9 | 1550 | 1000 | 0,727 | 108 |
| 4x35 | RM | 28,1 | 1990 | 1000 | 0,524 | 135 |
| 5x1,5 | RE | 10,7 | 195 | 100 | 12,1 | 14 |
| 5x2,5 | RE | 12,3 | 270 | 100 | 7,41 | 20 |
| 5x4 | RE | 14,3 | 400 | 100 | 4,61 | 26 |
| 5x6 | RE | 15,7 | 520 | 100 | 3,08 | 33 |
| 5x10 | RM | 20,4 | 870 | 1000 | 1,83 | 46 |
| 5x16 | RM | 24,0 | 1270 | 1000 | 1,15 | 62 |
| 5x25 | RM | 28,3 | 1880 | 1000 | 0,727 | 81 |
| 5x35 | RM | 31,2 | 2450 | 1000 | 0,524 | 101 |

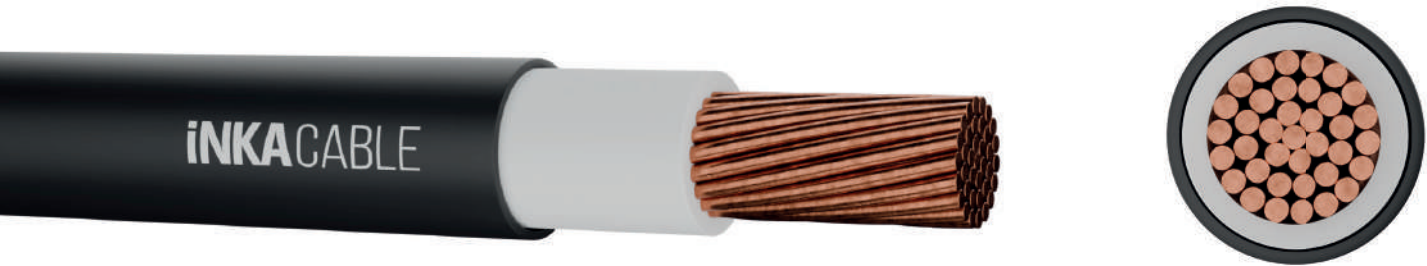
H1Z2Z2-K / PV1 - F

Standard: EN 50618, TS EN 50618

Single Core / Copper Flexible Conductor / LSFROH Insulated / LSFROH Sheath

Solar Cable

Nominal Voltage - DC: 1.8 kV, AC: 0,6/1 kV



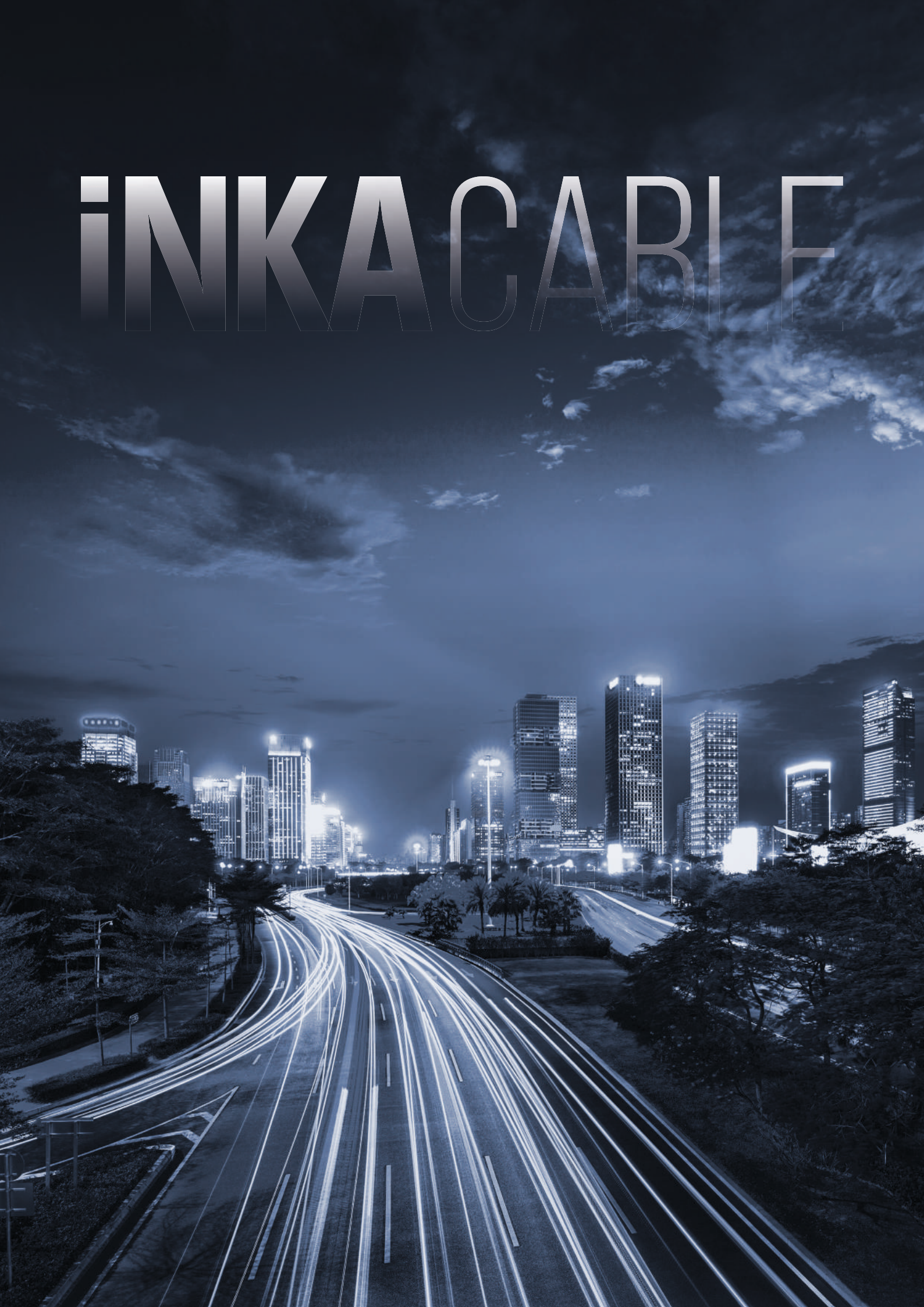
| Technical Data | | Cable Structure | |
|--|-------------------|-----------------|---|
| Operating temperature | -40 C° to +120 C° | Conductor | Class 5 - EN 60228, IEC 60228, DIN VDE 0295 |
| Short circuit temperature | 250 C° (max 5s) | | |
| Min. Transport and Laying Temperature | -25 C° | Insulation | LSFROH - EN 50618, TS EN 50618 |
| Min. bending radius $D < 12$ at (20 ± 10) °C, (D-Cable Diameter) | 3 x D Cable | Sheath | LSFROH - EN 50618, TS EN 50618 |
| Min. bending radius $D > 12$ at (20 ± 10) °C, (D-Cable Diameter) | 4 x D Cable | | |

Application

It is specially designed for connections between various elements of systems such as solar panel arrays and inverters in photovoltaic applications. It is used unprotected, in pipes or similar closed systems, in internal or external fixed installations.

| DIMENSIONS AND WEIGHTS | | | ELECTRICAL PROPERTIES | | |
|------------------------|---|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| Nominal Cross Section | Outer Diameter of Cable (Approximately) | Weight of Cable (Approximately) | Current Flow In The Air (60 °C) | Conductor DC Resistance at 20 °C | Short Circuit Current Resistance |
| mm ² | mm | kg/km | A | ohm/km | kA |
| 1,5 | 4,6 | 29,8 | 30 | 13,7 | 0,19 |
| 2,5 | 5,1 | 40,7 | 41 | 8,21 | 0,32 |
| 4 | 5,6 | 56,4 | 55 | 5,09 | 0,50 |
| 6 | 6,2 | 76,8 | 70 | 3,39 | 0,76 |
| 10 | 7,6 | 121,0 | 98 | 1,95 | 1,26 |
| 16 | 9,1 | 179,5 | 132 | 1,24 | 2,02 |
| 25 | 11,1 | 275,8 | 176 | 0,795 | 3,15 |
| 35 | 12,7 | 378,1 | 218 | 0,565 | 4,41 |
| 50 | 14,8 | 531,3 | 276 | 0,393 | 6,30 |
| 70 | 16,9 | 728,1 | 347 | 0,277 | 8,82 |
| 95 | 19,1 | 942,2 | 416 | 0,21 | 11,97 |
| 120 | 21,1 | 1197,7 | 488 | 0,164 | 15,12 |
| 150 | 23,6 | 1508,4 | 566 | 0,132 | 18,90 |
| 185 | 26,4 | 1797,0 | 644 | 0,108 | 23,31 |
| 240 | 29,5 | 2377,6 | 775 | 0,0817 | 30,24 |

iNKA CABLE



ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | TS HD 626 S1 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | TS HD 626 S1 |
| Rated current carrying capacity | One system | Color of Insulation | Black, XLPE TS HD 626 S1 |

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

| Number of wires x Nominal Cross Section | INSULATED CONDUCTORS (AL) | | | | | | | INSULATED CONDUCTORS (ALLOY) | | | CABLE | |
|---|-----------------------------------|-----------------|---|----------------------------------|---------------------------|-----------------------------------|---------------------------|-------------------------------------|---------------------------|----------------------------------|--------------------------------------|---------------------------|
| | Number of wires and cross section | Number of Wires | Average Diameter of Conductor (Approx.) | Conductor DC Resistance at 20 °C | Current carrying capacity | Number of wires and cross section | Current carrying capacity | Average Diameter of Supporting Wire | Minimum Brekaing Strength | Conductor DC Resistance at 20 °C | Average Dimater of Bending (Approx.) | Weight of Cable (Approx.) |
| No x mm ² | mm ² | Pieces | mm | ohm/km | A | mm ² | A | mm | kN | ohm/km | mm | kg/km |
| 1x16 + 1x16 + 25 | 1x16 | 1 | 4,4 | 1,910 | 70 | 1x16 | 60 | 5,9 | 7,4 | 1,38 | 15 | 220 |
| 1x25 + 1x16 + 35 | 1x25 | 7 | 5,9 | 1,910 | 80 | 1x16 | 60 | 6,9 | 10 | 0,986 | 19 | 250 |
| 1x35 + 1x16 + 50 | 1x35 | 7 | 6,9 | 0,868 | 95 | 1x16 | 60 | 8,1 | 14 | 0,72 | 22 | 320 |
| 3x16 + 1x16 + 25 | 3x16 | 1 | 4,4 | 1,910 | 60 | 1x16 | 60 | 5,9 | 7 | 1,38 | 22 | 350 |
| 3x25 + 1x16 + 35 | 3x25 | 7 | 5,9 | 1,200 | 80 | 1x16 | 60 | 6,9 | 10,3 | 0,986 | 26 | 480 |
| 3x35 + 1x16 + 50 | 3x35 | 7 | 6,9 | 0,868 | 95 | 1x16 | 60 | 8,1 | 14,2 | 0,72 | 30 | 630 |
| 3x50 + 1x16 + 70 | 3x50 | 7 | 8,1 | 0,641 | 120 | 1x16 | 60 | 9,7 | 20,6 | 0,493 | 33 | 800 |
| 3x70 + 1x16 + 95 | 3x70 | 7 | 9,7 | 0,443 | 150 | 1x16 | 60 | 11,4 | 27,9 | 0,363 | 38 | 1100 |
| 4x16 + 1x16 + 25 | 4x16 | 1 | 4,4 | 1,910 | 60 | 1x16 | 60 | 5,9 | 7,4 | 1,38 | 25 | 415 |
| 4x25 + 1x16 + 35 | 4x25 | 7 | 5,9 | 1,200 | 80 | 1x16 | 60 | 6,9 | 10,3 | 0,986 | 30 | 615 |
| 4x35 + 1x16 + 50 | 4x35 | 7 | 6,9 | 0,868 | 95 | 1x16 | 60 | 8,1 | 14,2 | 0,72 | 34 | 800 |
| 4x50 + 1x16 + 70 | 4x50 | 7 | 8,1 | 0,641 | 120 | 1x16 | 60 | 9,7 | 20,6 | 0,493 | 40 | 1050 |
| 4x70 + 1x16 + 95 | 4x70 | 7 | 9,7 | 0,443 | 150 | 1x16 | 60 | 11,4 | 27,9 | 0,363 | 47 | 1410 |

ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | TS HD 626 S1 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | TS HD 626 S1 |
| Rated current carrying capacity | One system | Color of Insulation | Black, XLPE TS HD 626 S1 |

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

| Number of wires x Nominal Cross Section | INSULATED CONDUCTORS (AL) | | | | | INSULATED CONDUCTORS (ALLOY) | | | CABLE | |
|---|-----------------------------------|-----------------|---|----------------------------------|---------------------------|-------------------------------------|---------------------------|----------------------------------|---------------------------------------|---------------------------|
| | Number of wires and cross section | Number of Wires | Average Diameter of Conductor (Approx.) | Conductor DC Resistance at 20 °C | Current carrying capacity | Average Diameter of Supporting Wire | Minimum Breaking Strength | Conductor DC Resistance at 20 °C | Average Diameter of Bending (Approx.) | Weight of Cable (Approx.) |
| No x mm ² | mm ² | Pieces | mm | ohm/km | A | mm | kN | ohm/km | mm | kg/km |
| 1x16 + 25 | 1x16 | 1 | 4,4 | 1,91 | 75 | 5,9 | 7,4 | 1,38 | 15 | 135 |
| 1x25 + 35 | 1x25 | 7 | 5,9 | 1,20 | 100 | 6,9 | 10,3 | 0,986 | 17 | 210 |
| 1x35 + 50 | 1x35 | 7 | 6,9 | 0,868 | 125 | 8,1 | 14,2 | 0,72 | 20 | 265 |
| 3x16 + 25 | 3x16 | 1 | 4,4 | 1,91 | 70 | 5,9 | 7,4 | 1,38 | 22 | 270 |
| 3x25 + 35 | 3x25 | 7 | 5,9 | 1,20 | 90 | 6,9 | 10,3 | 0,986 | 26 | 410 |
| 3x35 + 50 | 3x35 | 7 | 6,9 | 0,868 | 115 | 8,1 | 14,2 | 0,72 | 30 | 565 |
| 3x50 + 70 | 3x50 | 7 | 8,1 | 0,641 | 140 | 9,7 | 20,6 | 0,493 | 35 | 750 |
| 3x70 + 95 | 3x70 | 7 | 9,7 | 0,443 | 180 | 11,4 | 27,9 | 0,363 | 41 | 1050 |
| 3x120 + 95 | 3x120 | 19 | 13,0 | 0,253 | 250 | 11,4 | 27,9 | 0,363 | 47 | 1560 |
| 4x16 + 25 | 4x16 | 1 | 4,4 | 1,91 | 70 | 5,9 | 7,4 | 1,38 | 24 | 380 |
| 4x25 + 35 | 4x25 | 7 | 5,9 | 1,20 | 90 | 6,9 | 10,3 | 0,986 | 28 | 495 |
| 4x35 + 50 | 4x35 | 7 | 6,9 | 0,868 | 115 | 8,1 | 14,2 | 0,72 | 32 | 680 |
| 4x50 + 70 | 4x50 | 7 | 8,1 | 0,641 | 140 | 9,7 | 20,6 | 0,493 | 38 | 910 |
| 4x70 + 95 | 4x70 | 7 | 9,7 | 0,443 | 180 | 11,4 | 27,9 | 0,363 | 45 | 1340 |

ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



| Technical Data | | Cable Structure | |
|---------------------------------|--------------------|---------------------|--------------------------|
| Core temperature, max. | 90 °C in Operation | Conductor | TS HD 626 S1 |
| Max. Short Circuit Temperature | 250 °C / 5 sec. | Insulation | TS HD 626 S1 |
| Rated current carrying capacity | One system | Color of Insulation | Black, XLPE TS HD 626 S1 |

Application

Rated Cross
Section

Copper

| Number of wires x Nominal Cross Section | INSULATED CONDUCTORS (AL) | | | | | | INSULATED CONDUCTORS (ALLOY) | | | | CABLE | | |
|---|-----------------------------------|-----------------|--|----------------------------------|---------------------------|-----------------------------------|--|----------------------------------|-------------------------------------|---------------------------|----------------------------------|--------------------------------------|---------------------------|
| | Number of wires and cross section | Number of Wires | Average Dimater of Conductor (Approx.) | Conductor DC Resistance at 20 °C | Current carrying capacity | Number of wires and cross section | Average Dimater of Conductor (Approx.) | Conductor DC Resistance at 20 °C | Average Diameter of Supporting Wire | Minimum Brekaing Strength | Conductor DC Resistance at 20 °C | Average Dimater of Bending (Approx.) | Weight of Cable (Approx.) |
| No x mm ² | mm ² | Pieces | mm | ohm/km | A | mm ² | | ohm/km | mm | | ohm/km | mm | kg/km |
| 2x16 | 2x16 | 1 | 4,4 | 1,91 | 80 | - | - | - | - | - | - | 14 | 130 |
| 2x25 | 2x25 | 7 | 5,9 | 1,20 | 100 | - | - | - | - | - | - | 17 | 185 |
| 4x16 | 4x16 | 1 | 4,4 | 1,91 | 70 | - | - | - | - | - | - | 17 | 270 |
| 4x25 | 4x25 | 7 | 5,9 | 1,20 | 90 | - | - | - | - | - | - | 21 | 390 |
| 4x35 | 4x35 | 7 | 6,9 | 0,868 | 115 | - | - | - | - | - | - | 25 | 550 |
| 4x50 | 4x50 | 7 | 8,1 | 0,641 | 140 | - | - | - | - | - | - | 29 | 720 |
| 3x25 + 25 | 3x25 | 7 | 5,9 | 1,20 | 90 | 1x25 | 5,9 | 1,20 | - | - | - | 24 | 410 |
| 3x25 + 54,6 | 3x25 | 7 | 5,9 | 1,20 | 90 | - | - | - | 9,5 | 16,1 | 0,630 | 31 | 520 |
| 3x35 + 54,6 | 3x35 | 7 | 6,9 | 0,868 | 115 | - | - | - | 9,5 | 16,1 | 0,630 | 33 | 640 |
| 3x50 + 54,6 | 3x50 | 7 | 8,1 | 0,64 | 140 | - | - | - | 9,5 | 16,1 | 0,630 | 36 | 780 |
| 3x95 + 54,6 | 3x95 | 7 | 11,4 | 0,320 | 210 | - | - | - | 9,5 | 16,1 | 0,630 | 41 | 1230 |
| 4x50 + 2x25 | 4x50 | 7 | 8,1 | 0,641 | 140 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 36 | 930 |
| 4x95 + 2x25 | 4x95 | 19 | 11,4 | 0,320 | 210 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 42 | 1550 |
| 3x35 + 2x25 + 54,6 | 3x35 | 7 | 6,9 | 0,868 | 115 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 36 | 850 |
| 3x50 + 2x25 + 54,6 | 3x50 | 7 | 8,1 | 0,641 | 140 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 37 | 970 |
| 3x70 + 2x25 + 54,6 | 3x70 | 7 | 9,7 | 0,443 | 180 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 39 | 1190 |
| 3x95 + 2x25 + 54,6 | 3x95 | 19 | 11,4 | 0,320 | 210 | 2x25 | 5,9 | 1,20 | 9,5 | 16,1 | 0,630 | 42 | 1450 |



DESIGNATION CODE FOR POWER CABLES ACCORDING TO DIN VDE 0271/0276

CONSTRUCTION REFERENCE

IDENTIFICATION OF DESIGNATION _____

N – DIN VDE STANDARD
(N) – SIMILAR TO DIN VDE STANDARD

CONDUCTOR MATERIAL _____

A – ALUMINIUM CONDUCTOR
– – COPPER CONDUCTOR

INSULATING MATERIALS _____

Y – PVC
2X – CROSS-LINKED PE (XLPE)

CONCENTRIC CONDUCTOR (SCREEN) _____

C – CONCENTRIC CONDUCTOR OF COPPER
CE – CONCENTRIC CONDUCTOR OF COPPER OVER EACH INDIVIDUAL CORE
S – SCREEN OF COPPER WIRES
SE – SCREEN OF COPPER WIRES OVER EACH INDIVIDUAL CORE
H – CONDUCTIVE LAYERS
(F) – LONGITUDINALLY WATER-PROOF SCREEN
(FL) – LONGITUDINALLY AND RADIAL WATER-PROOF SCREEN

ARMOURING _____

B – STEEL TAPE ARMOURING
R – ARMOUR OF GALVANIZED ROUND STEEL WIRES

SHEATH MATERIAL _____

Y – PVC
2Y – PE
H – HALOGEN-FREE THERMOPLASTIC POLYMER

PROTECTIVE CONDUCTOR _____

I – WITH PROTECTIVE CONDUCTOR
O – WITHOUT PROTECTIVE CONDUCTOR

NUMBER OF CORES _____

CONDUCTOR CROSS SECTION IN MM² _____

CONDUCTOR TYPE _____

R... – CIRCULAR CONDUCTOR .. M STRANDED CONDUCTOR
S... – SECTOR CONDUCTOR /V COMPACT CONDUCTOR
..E... – CIRCULAR, SOLID CONDUCTOR

RATING VOLTAGE _____

0.6/1 KV
3.6/6 KV
6.0/10 KV
12/20 KV
18/30 KV
20.3/35 KV

EXAMPLES:

NY-Y-J 4X1.5 RE 0.6/1 KV - VDE 0276-603

CABLE ACCORDING TO STANDARD, PVC-INSULATED, SHEATH PVC, WITH GREEN-YELLOW MARKED CORE, 4 CORES WITH NOMINAL CROSS-SECTION 1.5 MM², CIRCULAR CONDUCTOR, SOLID, RATING VOLTAGE 0.6/1KV.

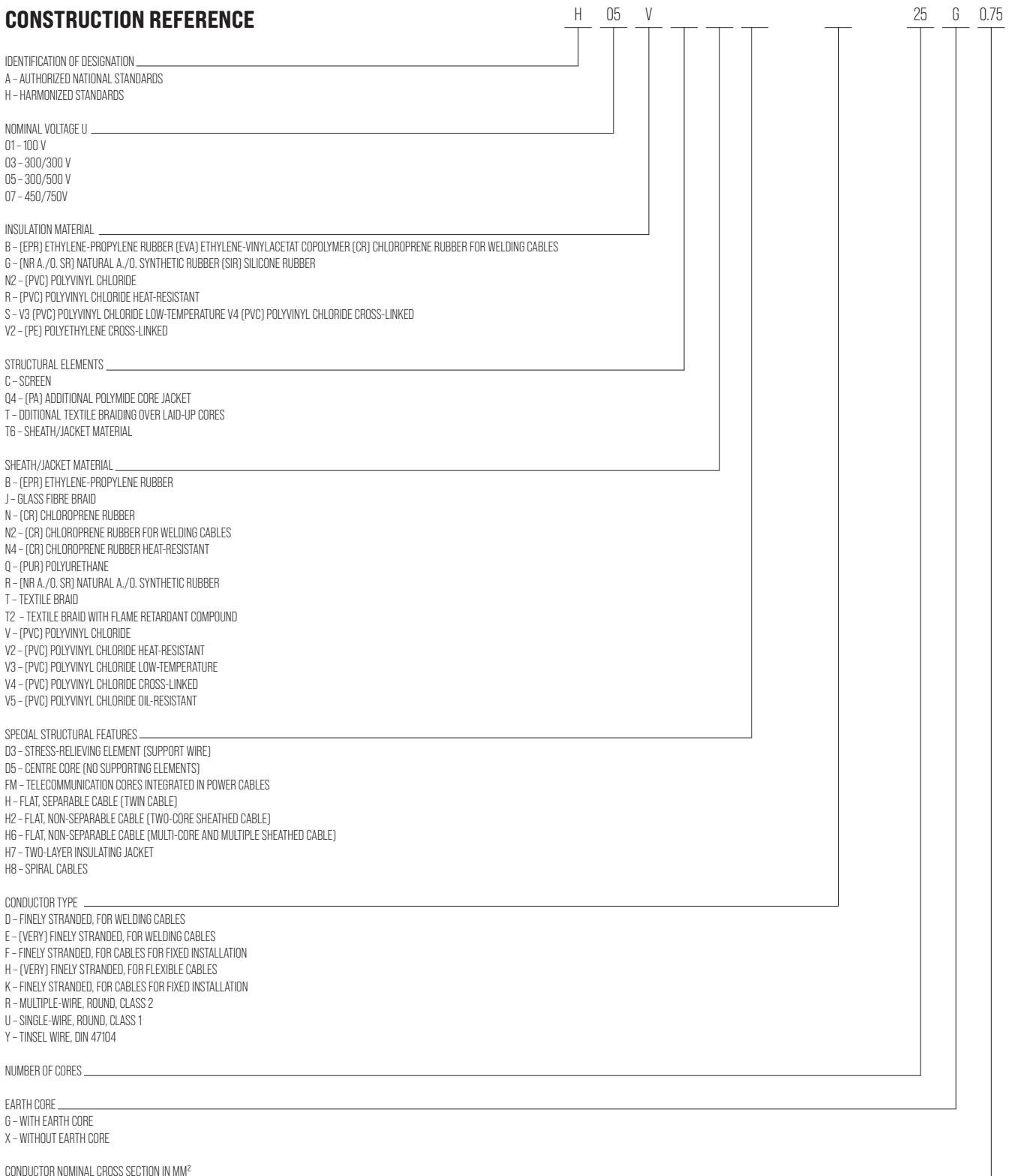
A2XS2Y 1X35 RM/16 6/10 KV - IEC 60502-2

SINGLE CORE XLPE-INSULATED CABLE WITH PE-SHEATH ACCORDING TO STANDARD, CIRCULAR, STRANDED ALUMINIUM CONDUCTOR WITH NOMINAL CROSS-SECTION

X

DESIGNATION CODE FOR HARMONIZED CABLES ACCORDING TO DIN VDE 0281/DIN VDE 0292

CONSTRUCTION REFERENCE



EXAMPLES

H07V-U 2.5 BLACK (ACCORDING TO DIN VDE 0281) HARMONIZED PVC-INSULATED SINGLE-CORE SHEATHED CABLE, 2.5 MM², SINGLE-CORE, NOMINAL VOLTAGE 750 V
 H07RN-F 3G 1.5 (ACCORDING TO DIN VDE 0282) HARMONIZED RUBBER-SHEATHED CABLE FOR MEDIUM TENSILE LOADS, THREE-CORE 1.5 MM², FINELY STRANDED, GREEN-YELLOW EARTH CORE, NOMINAL VOLTAGE 750 V

ELECTRICAL PARAMETERS OF THE CABLES

RESISTANCE OF CONDUCTORS

The maximum permitted electric resistance of conductors for direct current at 20°C is shown in the Table 1. At the working temperature the conductor resistance for direct current is calculated according to the following formula:

$$R' = R_0 [1 + \alpha(t - 20)]$$

R_0 - resistance of conductor for direct current at 20°C (table 1) Ω /km;

α - coefficient of electric resistance change with the temperature, which for copper is:

$\alpha = 0,003931/^{\circ}\text{C}$ and for aluminum: $\alpha = 0,00403/^{\circ}\text{C}$;

t - working temperature of conductor in $^{\circ}\text{C}$;

Due to the influence of surface (skin) effect and vicinity effect of adjacent conductors, metal sheathes and armoring of cable, the resistance of conductor for alternating current is slightly higher than the resistance of conductors for direct current. The table 2 shows the values of conductor resistance for direct R' and alternating current R, at the temperature of 70°C (for PVC and PE) and at 90°C (for XLPE) for three-core cables of 1kV, without metal sheath or armoring

Table 1

| Cross section mm ² | Maximum resistance at 20°C for D.C. current | |
|----------------------------------|---|--------------------|
| | Cu (Ω /km) | Al (Ω /km) |
| 1.5 | 12.1 | - |
| 2.5 | 7.41 | - |
| 4 | 4.61 | - |
| 6 | 3.08 | - |
| 10 | 1.83 | - |
| 16 | 1.15 | 1.91 |
| 25 | 0.727 | 1.2 |
| 35 | 0.524 | 0.868 |
| 50 | 0.387 | 0.641 |
| 70 | 0.268 | 0.443 |
| 95 | 0.193 | 0.320 |
| 120 | 0.153 | 0.253 |
| 150 | 0.124 | 0.206 |
| 185 | 0.0991 | 0.164 |
| 240 | 0.0754 | 0.125 |
| 300 | 0.0601 | 0.100 |
| 400 | 0.0470 | 0.0778 |
| 500 | 0.0366 | 0.0605 |

Table 2

| Rated Cross Section mm ² | Copper | | | | Aluminium | | | |
|--|----------------|--------|-------------|--------|----------------|--------|-------------|--------|
| | 70°C (PVC, PE) | | 90°C (XLPE) | | 70°C (PVC, PE) | | 90°C (XLPE) | |
| | R' (DC) | R (AC) | R' (DC) | R (AC) | R' (DC) | R (AC) | R' (DC) | R (AC) |
| 1.5 | 14.5 | 14.5 | 15.4 | 15.4 | - | - | - | - |
| 2.5 | 8.7 | 8.7 | 9.28 | 9.28 | - | - | - | - |
| 4 | 5.46 | 5.46 | 5.81 | 5.81 | 9.06 | 9.06 | 9.67 | 9.67 |
| 6 | 3.63 | 3.63 | 3.86 | 3.86 | 6.02 | 6.02 | 6.42 | 6.42 |
| 10 | 2.17 | 2.17 | 2.31 | 2.31 | 3.60 | 3.60 | 3.85 | 3.85 |
| 16 | 1.36 | 1.36 | 1.45 | 1.45 | 2.27 | 2.27 | 2.42 | 2.42 |
| 25 | 0.864 | 0.864 | 0.921 | 0.921 | 1.44 | 1.44 | 1.54 | 1.54 |
| 35 | 0.627 | 0.627 | 0.668 | 0.668 | 1.05 | 1.05 | 1.12 | 1.12 |
| 50 | 0.463 | 0.463 | 0.494 | 0.494 | 0.770 | 0.770 | 0.822 | 0.822 |
| 70 | 0.321 | 0.322 | 0.343 | 0.343 | 0.532 | 0.533 | 0.568 | 0.568 |
| 95 | 0.231 | 0.232 | 0.247 | 0.247 | 0.384 | 0.385 | 0.410 | 0.411 |
| 120 | 0.183 | 0.185 | 0.197 | 0.197 | 0.304 | 0.305 | 0.324 | 0.325 |
| 150 | 0.148 | 0.151 | 0.160 | 0.160 | 0.248 | 0.249 | 0.264 | 0.265 |
| 185 | 0.118 | 0.121 | 0.129 | 0.129 | 0.197 | 0.199 | 0.210 | 0.212 |
| 240 | 0.0902 | 0.0938 | 0.0998 | 0.0998 | 0.150 | 0.150 | 0.160 | 0.162 |
| 300 | 0.0719 | 0.0764 | 0.0812 | 0.0812 | 0.120 | 0.123 | 0.128 | 0.131 |

INDUCTIVITY COEFFICIENT

By three-core and single-core cables with round conductors which are not armored, the inductivity coefficient is calculated by means of the following formula:

$$L=0,1\left(0,5+2\ln\frac{2s}{d}\right),mH/km$$

s - distance between conductor axis, mm

d - conductor diameter, mm

For armored cables the obtained value for inductivity coefficient should be increased by 30%.

The values of inductivity coefficient of three-core cables 1 kV, non-armored with round conductors and PVC and XLPE insulated are shown in tables N3 and 4. In the same tables are shown the relative values of voltage drop between the phases in volts per ampere and per kilometer of cable at relevant working temperatures of conductors, in three-phase systems, frequency 50Hz.

Table 3 - For PVC Cables

| Cross section | Insulation thickness | L | Voltage drops * at 70 °C (PVC) | | | |
|---------------|----------------------|-------|--------------------------------|-----------|-------------|-------------|
| | | | Cu | | Al | |
| | | | cos φ = 0,8 | cos φ = 1 | cos φ = 0,8 | cos φ = 0,8 |
| m m | m m | mH/km | V/A.km | V/A.km | V/A.km | V/A.km |
| 1.5 | 0.9 | 0.341 | 20.2 | 25.1 | - | - |
| 2.5 | 0.9 | 0.316 | 12.2 | 15.1 | - | - |
| 4 | 1.0 | 0.318 | 7.67 | 9.46 | 12.7 | 15.7 |
| 6 | 1.0 | 0.296 | 5.13 | 6.29 | 8.42 | 10.4 |
| 10 | 1.0 | 0.277 | 3.10 | 3.76 | 5.08 | 6.24 |
| 16 | 1.0 | 0.262 | 1.97 | 2.36 | 3.23 | 3.93 |
| 25 | 1.2 | 0.252 | 1.28 | 1.50 | 2.07 | 2.49 |
| 35 | 1.2 | 0.244 | 0.952 | 1.09 | 1.54 | 1.82 |
| 50 | 1.4 | 0.243 | 0.721 | 0.802 | 1.14 | 1.33 |
| 70 | 1.4 | 0.235 | 0.523 | 0.558 | 0.815 | 0.923 |
| 95 | 1.6 | 0.234 | 0.398 | 0.402 | 0.610 | 0.667 |
| 120 | 1.6 | 0.229 | 0.331 | 0.320 | 0.497 | 0.528 |
| 150 | 1.8 | 0.230 | 0.284 | 0.262 | 0.420 | 0.431 |
| 185 | 2.0 | 0.244 | 0.241 | 0.210 | 0.349 | 0.345 |
| 240 | 2.2 | 0.288 | 0.204 | 0.162 | 0.258 | 0.263 |
| 300 | 2.4 | 0.277 | 0.180 | 0.132 | 0.244 | 0.213 |



















NOTE: In single phase systems the values of voltage drop from the table should be corrected by multiplying with factor: $2/\sqrt{3} = 1,155$

Table 4 - For XLPE Cables

| Cross section | Insulation thickness | L | Voltage drops * at 90 °C (XLPE) | | | |
|---------------|----------------------|-------|---------------------------------|-----------|-------------|-------------|
| | | | Cu | | Al | |
| | | | cos φ = 0,8 | cos φ = 1 | cos φ = 0,8 | cos φ = 0,8 |
| m m | m m | mH/km | V/A.km | V/A.km | V/A.km | V/A.km |
| 1.5 | 0.7 | 0.327 | 21.4 | 26.7 | - | - |
| 2.5 | 0.7 | 0.304 | 13.0 | 16.1 | - | - |
| 4 | 0.7 | 0.287 | 8.14 | 10.1 | 13.5 | 16.7 |
| 6 | 0.7 | 0.270 | 5.44 | 6.69 | 8.98 | 11.1 |
| 10 | 0.7 | 0.254 | 3.28 | 4.00 | 5.42 | 6.67 |
| 16 | 0.7 | 0.243 | 2.09 | 2.51 | 3.43 | 4.19 |
| 25 | 0.9 | 0.244 | 1.36 | 1.59 | 2.21 | 2.67 |
| 35 | 0.9 | 0.231 | 1.00 | 1.16 | 1.63 | 1.94 |
| 50 | 1.0 | 0.229 | 0.759 | 0.856 | 1.21 | 1.42 |
| 70 | 1.1 | 0.226 | 0.549 | 0.549 | 0.861 | 0.984 |
| 95 | 1.1 | 0.221 | 0.414 | 0.428 | 0.641 | 0.712 |
| 120 | 1.2 | 0.220 | 0.345 | 0.341 | 0.552 | 0.563 |
| 150 | 1.4 | 0.221 | 0.294 | 0.277 | 0.439 | 0.459 |
| 185 | 1.6 | 0.222 | 0.251 | 0.223 | 0.366 | 0.367 |
| 240 | 1.7 | 0.220 | 0.210 | 0.173 | 0.296 | 0.280 |
| 300 | 1.8 | 0.218 | 0.184 | 0.141 | 0.253 | 0.227 |

NOTE: In single phase systems the values of voltage drop from the table should be corrected by multiplying with factor: $2/\sqrt{3} = 1,155$

The insulation colors used in Installation and Low Voltage cables are as follows.
Cables available in our stock are shown in

| Cable types | Number of veins | Type O (without yellow/green) | Type J (yellow/green) |
|--|-----------------|--|---|
| INSTALLATION CABLES | | | |
| HO3VV-F & PP/L HO5VV-F & PP/J NYM & NVV & PP | 2 |  Blue-Brown | |
| | 3 |  Gray-Brown-Black |  Blue-Brown-Yellow/Green |
| | 4 |  Blue-Brown-Black-Gray |  Black-Yellow/Green-Blue-Brown |
| | 5 |  Mavi-Kahverengi-Siyah-Gri-Siyah |  Mavi-Kahverengi-Siyah-Gri-Sarı/Yeşil |
| | >5 |  Black with white number print |  Yellow/Green-Black with White Number Print |
| 0.6/1 kV LOW VOLTAGE CABLES | | | |
| YAVV & NAYY YVV & NYV YAXV & NA2XY YXV & N2XY YXZ1 & N2XH YVCV & NYCY | 2 |  Blue-Brown | |
| | 3 |  Gray-Brown-Black |  Blue-Brown-Yellow/Green |
| | 4 |  Blue-Brown-Black-Gray |  Yellow/Green-Brown-Black-Gray |
| | 5 |  Mavi-Kahverengi-Siyah-Gri-Siyah |  Mavi-Kahverengi-Siyah-Gri-Sarı/Yeşil |
| | >5 |  Black with white number print |  Yellow/Green-Black with White Number Print |

CURRENT CARRYING CAPACITY AND INDICATIONS FOR CALCULATION OF POWER CABLES AND WIRES

The guidelines for current carrying capacities of copper and aluminium are valid DIN VDE 0298 part 4 as well as DIN VDE 0276 part 603 and for the conversion factors DIN VDE 0276 part 1000.

The current carrying capacity of a cable should be limited in such a degree that all locations in a cable system which causes the generated heats under given proportions to lead safely in the environment.

The heat flow depends on the inner heat-resistance between conductor and outer surface of the cable and as well as from the heat emission to the surroundings.

The following recommended values are the current carrying capacity of cables for laying in earth and in air at normal operating conditions. Hints for the deviated operating conditions, see DIN VDE 0298 table 4 and DIN VDE 0276 part 603 and part 1000.

INDICATIONS FOR CALCULATION

· For Laying in Earth

- Deviating operating conditions with both conversion factors are to be considered, as these depend on both of specific heat resistance and the grade of load.
- EVU-load (load grade) is the maximum load factor of 0.7. The conversion factors for the load grades 0.5, 0.6, 0.85 and 1.0 are to be taken in tables DIN VDE 0276 part 603 and part 1000. Intermediate values can be interpolate (1.0 used for permanent load).
- Laying depth 0.7 m. The load capacity decreases with increasing of the laying depth. Usual depth of laying is 0.7 to 1.2 m.
- As normal value of the specific ground thermal resistivity in moist areas is selected with 1.0 K.m/W. For dry areas the chosen value is 2.5 K.m/W, under consideration of the applied usual bedding materials of sands.
- For favourable ground conditions or with thermal resisted bedding materials, lower value under well consolidation can be achieved.
- For individual case, the values and upon that the resulted current carrying loads are to be determined.

· For Laying in Air

- The values stated in the tables for outdoor laying in the air are defined for permanent operation.
- The arrangement of the cables is corresponded the presentation in table 3, DIN VDE 0276 part 1000.
- Conversion factors for other laying conditions and the heaping of cables are shown in tables 10 and 11, DIN VDE 0276 part 1000.
- The current carrying capacities of multi-core cables can be calculated by using the current load value for 3-core cables accord table 13 with help of the conversion factors.
- By using the cable channels of cable board underlays, etc., the air temperature will be increased. In this case the conversion to factors according to table 12 for deviating air temperature should be used.
- For outdoor installation in air, the ambient temperature is based on 30 °C.
- Radiation of heats and solar influence must be taken into consideration, where a good air circulation is needed.
- A sufficient large distance is to be retained between the cables and the heating elements, because badly insulated heating elements often raise additionally the temperature of the cable.
 - Distance between the cable and the wall, floor or ceiling = 2 cm
 - Distance between the cables being laid one above the other = 2 x D
 - Distance between the cable systems being laid one above the other = 20 cm
 - Distance between the cables being laid side by side = 2 x D

· Specific Ground Thermal Resistivity

- very moist area = 0.7 K.m/W
- moist area = 1.0 K.m/W
- dry area = 2.0 K.m/W
- very dry area = 3.0 K.m/W

INSTALLATION METHODS AND OPERATING CONDITIONS

POWER CABLES AND INSULATED WIRES FOR FIXED INSTALLATION

INSTALLATION METHODS AND OPERATING CONDITIONS

Power Cables and Insulated Wires for Fixed Installation

INSTALLATION METHOD TYPE A1

Single core cables in insulation tube in a thermally insulated wall.

INSTALLATION METHOD A2

Multicore cables or multicore plastic sheathed cables in the insulation tube in a thermally insulated wall, whereby the walls for the methods of installation employed comprise an outer weatherproof board, thermal insulation and an inner board of wood or materials similar to wood, having a temperature lag of 0.1 m².K/W. The plastic or metal insulation tube is mounted so that it is very close to the inner wall without actually being in contact with the wall.

INSTALLATION METHOD B1

Single core cables in insulation tube on a wooden wall.

INSTALLATION METHOD B2

Multicore cables or multicore plastic sheath cables in insulation tube on a wooden wall.

For both installation methods, the insulation tube must be secured so that the space between conduit and the wall surface is less than 0.3 times the diameter of the insulation tube. The plastic or metal insulation tube can be installed directly on the masonry construction or plastered surface, whereby the current carrying capacity of the cables or wires can then be higher. This problem is still being investigated by CENELEC.

INSTALLATION METHOD C

Single core or multicore cables, or single core or multicore plastic-sheathed cables on a wooden wall.

The cables or insulated wires shall be mounted so that the space from the wall surface is less than 0.3 times the outer diameter of the cable or insulated wire. The current carrying capacity can be increased when installed directly on or in the masonry construction as well as underneath the plaster.

INSTALLATION METHODS E, F AND G

Single core or multicore cables, or single core or multicore plastic-sheathed cables, installed in the open air.





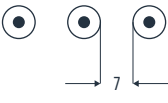
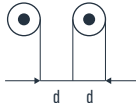




The cable or insulated wire shall be installed so that the dissipation of heat is not impeded, whereby allowance shall be made for heating by other sources and for irradiation by sunshine. Natural convection shall not be obstructed. The space from the cable or insulated wire by each bordering surface shall be 0.3 times the outside diameter. A space equal to the one of the outside diameter is sufficient for single core cables and plastic-sheathed wires in order to meet the current carrying requirements for an installation in the open air.

LAYING CONDITIONS FOR POWER CABLES

As laying depth, the mathematical distance to the cable axis - for triangular bunched laying, the distance of the bundle axis to the earth surface of 70 cm is chosen. Within increased laying depth the load ratings will be mathematically reduced.

Hereby the same temperature and the same thermal earth resistances are to be presumed.

Normal operation conditions and indications for deviating operation conditions.

| INSTALLATION METHODS AND OPERATING CONDITIONS | | |
|---|---|---|
| LAID IN EARTH | LAID IN AIR | INDICATIONS |
| 1 Multicore cable  | 1 Multicore cable  | Conversion factors see the following tables as of collective laying conditions see the following tables |
| 1 Single core cable in direct current system  | 1 Single core cable in direct current system  | |
| 3 Single core cables in 3-phase system, side by side, with a space of 7 cm  | 3 Single core cables in 3-phase system, side by side, with a space of a cable \varnothing  | |
| 3 Single core cables in 3-phase system, in bundle form ¹⁾  | 3 Single core cables in 3-phase system, in bundle form ¹⁾  | |
| Bedding in sand or earth shovel and if necessary covering with bricks, cement plates or with flat to light curved thin covering of plastic   | <ul style="list-style-type: none"> - Laid in open air, i.e. unhindered heat radiation will be ensured at: Distance of cable from wall, floor or ceiling ≥ 2 cm - For cables laying side by side: Space at least two times of the cable \varnothing - For cables laying one above the other: Vertical space of the cable at least two times of the cable \varnothing cable length at least 30 cm - Consideration of thermal loss in cable, the increased air temperature of sufficient big and ventilated rooms - Protection against direct heat radiation of sunlight, etc. - Air temperature 30 °C | <ul style="list-style-type: none"> Conversion factors for laying in earth: <ul style="list-style-type: none"> - covering hood with air cavity = 0.9 laid in conduit = 0.85 Conversion factors for laying in air: <ul style="list-style-type: none"> alternating ambient temperatures - as of collective laying conditions <ul style="list-style-type: none"> - for laying in conduits - see tables and indications according to DIN VDE 0298 |
| Ambient Conditions <ul style="list-style-type: none"> - Ground temperature at installation depth: 20 °C - Soil-thermal resistivity of moist area: 1.0 K.m/W - Soil-thermal resistivity of dry area: 2.5 K.m/W | Adequate big or ventilated rooms, due to that the power loss of the cable not be noticeable increased | |
| Connecting and earthing of metal sheaths or screens on both ends | Connecting and earthing of metal sheaths or screens on both sides | |

CURRENT RATINGS FOR INSTALLATION A1, A2, B1 AND B2 CABLES FOR FIXED INSTALLATION WITHIN BUILDINGS

| OPERATING TEMPERATURE AT CONDUCTOR 70 °C ; AMBIENT TEMPERATURE 30 °C | | | | | | | | |
|---|--|------|---|------|---|------|---|---------------------|
| Type designa | H07V-U, -R, -K H07V3-U, -R, -K | | NYM, NYBUY H05VV-U, N05VV-R NHXMH NYY NYCY ¹⁾ | | H07V-U, -R, -K H07V3-U, -R, -K | | NYM, NYBUY H05VV-U, N05VV-R NHXMH NYY NYCY ¹⁾ | |
| Installation: * in thermally insulated walls * in insulating tubes | Single core cables in insulating tubes, in thermally insulated walls | | Multicore sheathed cables in insulating tubes, in a thermally insulated walls | | Multicore sheathed cables in insulating tubes, in a thermally insulated walls | | Multicore cables or multicore sheathed cables in insulating tubes on a wall | |
| | | | | | | | | |
| | Installation in thermally insulated walls | | | | Installation in insulating tubes | | | |
| Installation method Number of loaded cores Cross-section, mm ² | A1 | | A2 | | B1 | | B2 | |
| | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| 1.5 | 15.5 ³⁾ | 13.5 | 15.5 | 13.0 | 17.5 | 15.5 | 16.5 | 15.0 |
| 2.5 | 19.5 | 18.0 | 18.5 | 17.5 | 24 | 21 | 23 | 20 |
| 4 | 26 | 24 | 25 | 23 | 32 | 28 | 30 | 27 |
| 6 | 34 | 34 | 32 | 29 | 41 | 36 | 38 | 34 |
| 10 | 46 | 42 | 43 | 39 | 57 | 50 | 52 | 46 |
| 10 | - | - | - | - | - | - | - | 47.17 ⁴⁾ |
| 16 | 61 | 56 | 57 | 53 | 76 | 68 | 69 | 62 |
| 25 | 80 | 73 | 75 | 68 | 101 | 89 | 90 | 80 |
| 35 | 99 | 89 | 92 | 83 | 125 | 110 | 111 | 99 |
| 50 | 119 | 108 | 110 | 99 | 151 | 134 | 133 | 118 |
| 70 | 151 | 136 | 139 | 125 | 192 | 171 | 168 | 149 |
| 95 | 182 | 164 | 167 | 150 | 232 | 207 | 201 | 179 |
| 120 | 210 | 188 | 192 | 172 | 269 | 239 | 232 | 206 |
| 150 | 240 | 216 | 219 | 196 | - | - | - | - |
| 185 | 273 | 245 | 248 | 223 | - | - | - | - |
| 240 | 230 | 286 | 291 | 261 | - | - | - | - |
| 300 | 367 | 328 | 334 | 298 | - | - | - | - |

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires - see DIN VDE 0298 part 4.

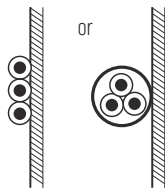
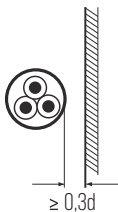
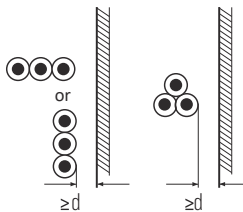
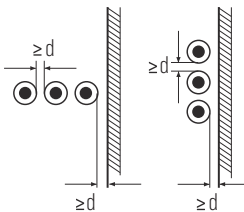
1) The current ratings are valid for cables with concentric conductor, only for versions.

2) For further installation methods - see DIN VDE 0298 part 4.

3) See DIN VDE 0298 part 4.

4) Not permitted for the installation on a wooden wall and not for application of the conversion factors, see DIN VDE 0298 part 4.

CURRENT RATINGS FOR INSTALLATION CONDITIONS C, E, F AND G CABLES FOR FIXED INSTALLATION WITHIN BUILDINGS

| OPERATING TEMPERATURE AT CONDUCTOR 70 °C ; AMBIENT TEMPERATURE 30 °C | | | | | | | | | | |
|---|---|---------------------|---|------|---|-----|--|------|------|--------------------------|
| Type designation | NYM, NYIF, NYIFY, NYBUY, H05W-U, N05W-R, NHXMH, NYY, NYCY | | | | NYY | | | | | |
| Installation: * directly * in open air | Singlecore or multicore cables or singleor multicore sheathed cables on a wall | | Multicore cables or multicore sheathed cables with a space of minimum 3.0x diameter d to wall | | Single core cables or single core sheathed cables with a space of minimum 1x diameter to wall | | | | | |
| |  Direct intallation | |  $\geq 0,3d$ | |  with contact | |  with gap d | | | Installation in open air |
| Installation method ²⁾ Number of loaded cores Cross-section, mm ² | C | | E | | F | | G | | | |
| | 2 | 3 | 2 | 3 | 2 | 3 | | | | |
| 1.5 | 19.5 | 17.5 | 22 | 18.5 | - | - | - | - | - | |
| 2.5 | 27 | 24 | 30 | 25 | - | - | - | - | - | |
| 4 | 36 | 32 | 40 | 34 | - | - | - | - | - | |
| 4 | - | 33.02 ³⁾ | - | - | - | - | - | - | - | |
| 6 | 46 | 41 | 51 | 43 | - | - | - | - | - | |
| 10 | 63 | 57 | 70 | 60 | - | - | - | - | - | |
| 10 | - | 59.43 ³⁾ | - | - | - | - | - | - | - | |
| 16 | 85 | 76 | 94 | 80 | - | - | - | - | - | |
| 25 | 112 | 96 | 119 | 101 | 131 | 114 | 110 | 146 | 130 | |
| 35 | 138 | 119 | 148 | 126 | 162 | 143 | 137 | 181 | 162 | |
| 50 | 168 | 144 | 180 | 153 | 196 | 174 | 167 | 219 | 197 | |
| 70 | 213 | 184 | 232 | 196 | 251 | 225 | 216 | 281 | 254 | |
| 95 | 258 | 223 | 282 | 238 | 304 | 275 | 264 | 341 | 311 | |
| 120 | 299 | 259 | 328 | 276 | 352 | 321 | 308 | 396 | 362 | |
| 150 | 344 | 299 | 379 | 319 | 406 | 372 | 356 | 456 | 419 | |
| 185 | 392 | 341 | 434 | 364 | 463 | 427 | 409 | 521 | 480 | |
| 240 | 461 | 403 | 514 | 430 | 546 | 507 | 485 | 615 | 569 | |
| 300 | 530 | 464 | 593 | 497 | 629 | 587 | 561 | 709 | 659 | |
| 400 | - | - | - | - | 754 | 689 | 656 | 852 | 795 | |
| 500 | - | - | - | - | 868 | 789 | 749 | 982 | 920 | |
| 600 | - | - | - | - | 1005 | 905 | 855 | 1138 | 1070 | |

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires - see DIN VDE0298 part 4.

1) The current ratings are valid for cables with concentric conductor, only for versions.

2) For further installation methods - see DIN VDE 0298 part 4.

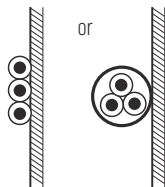
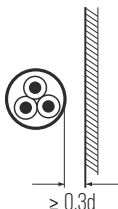
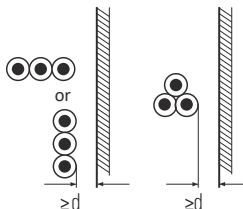
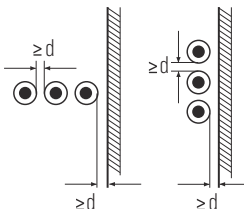
3) See DIN VDE 0298 part 4.

CURRENT RATINGS FOR INSTALLATION CONDITIONS CABLES CABLES FOR FIXED INSTALLATION WITHIN BUILDINGS A1, A2, B1 AND B2

| OPERATING TEMPERATURE AT CONDUCTOR 70 °C ; AMBIENT TEMPERATURE 30 °C | | | | | | | | |
|--|--|-----|---|------|---|-----|---|------|
| Type designa | H07V2-U, -K H07Z-U, -R, -K | | N12XY, N2XY, NHXHX, N2X2Y, N2XH, N2XCH, FE 180 NHXCHX, FE 180 NHXH FE NHXCH FE 180, NHXHX, NHXCHX | | H07V2-U, -K H07Z-U, -R, -K | | N12XY, N2XY, NHXHX, N2X2Y, N2XH, N2XCH, FE 180 NHXCHX, FE 180 NHXH FE NHXCH FE 180, NHXHX, NHXCHX | |
| Installation: * in thermally insulated walls * in insulating tubes | Single core cables in insulating tubes, in thermally insulated walls | | Multicore sheathed cables in insulating tubes, in a thermally insulated walls | | Multicore sheathed cables in insulating tubes, in a thermally insulated walls | | Multicore cables or multicore sheathed cables in insulating tubes on a wall | |
| | | | | | | | | |
| | Installation in thermally insulated walls | | | | Installation in insulating tubes | | | |
| Installation method Number of loaded cores Cross-section, mm² | A1 | | A2 | | B1 | | B2 | |
| | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| 1,5 | 19 | 17 | 18,5 | 16,5 | 23 | 20 | 22 | 19,5 |
| 2,5 | 26 | 23 | 25 | 22 | 31 | 28 | 30 | 26 |
| 4 | 35 | 31 | 33 | 30 | 42 | 37 | 40 | 35 |
| 6 | 45 | 40 | 42 | 38 | 54 | 48 | 51 | 44 |
| 10 | 61 | 54 | 57 | 51 | 75 | 66 | 69 | 60 |
| 16 | 81 | 73 | 76 | 68 | 100 | 88 | 91 | 80 |
| 25 | 106 | 95 | 99 | 89 | 133 | 117 | 119 | 105 |
| 35 | 131 | 117 | 121 | 109 | 164 | 144 | 146 | 128 |
| 50 | 158 | 141 | 145 | 130 | 198 | 175 | 175 | 154 |
| 70 | 200 | 179 | 183 | 164 | 253 | 222 | 221 | 194 |
| 95 | 241 | 216 | 220 | 197 | 306 | 269 | 265 | 233 |
| 120 | 278 | 249 | 253 | 227 | 354 | 312 | 305 | 268 |
| 150 | 318 | 285 | 290 | 259 | - | - | - | - |
| 185 | 362 | 324 | 329 | 295 | - | - | - | - |
| 240 | 424 | 380 | 386 | 346 | - | - | - | - |
| 300 | 486 | 435 | 442 | 396 | - | - | - | - |

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires - see DIN VDE0298 part 4.
1) For further installation methods - see DIN VDE 0298 part 4

CURRENT RATINGS FOR INSTALLATION CONDITIONS C, E, F AND G CABLES FOR FIXED INSTALLATION WITHIN BUILDINGS











| OPERATING TEMPERATURE AT CONDUCTOR 70 °C ; AMBIENT TEMPERATURE 30 °C | | | | | | | | | | | |
|---|--|-----|--|-----|--|------|---|------|------|--------------------------|--|
| Type designation | N12XY, N2XY, N2S2Y, N2XH, N2XCH ¹⁾ , NHXHX FE 180, NHXH FE180, NHXCH FE180 ¹⁾ , NHXHX FE180, NHXCHX FE 180 ¹⁾ , NHXHX, NHXCHX ¹⁾ , NHXHX | | | | N12XY, N2XY, N2X2Y, N2XH, NHXH FE 180 | | | | | | |
| Installation: * directly * in open air | Singlecore or multicore cables or singleor multicore sheathed cables on a wall | | Multicore cables or multicore sheathed cables with a space of minimum 3.0x diameter d to wall | | Single core cables or single core sheathed cables with a space of minimum 1x diameter to wall | | | | | | |
| |  <p>Direct intallation</p> | |  <p>$\geq 0,3d$</p> | | <p>with contact</p>  <p>$\geq d$</p> | | <p>with gap d</p>  <p>$\geq d$</p> | | | Installation in open air | |
| Installation method ²⁾ Number of loaded cores Cross-section, mm ² | C | | E | | F | | G | | | | |
| | 2 | 3 | 2 | 3 | 2 | 3 | | | | | |
| 1,5 | 24 | 22 | 26 | 23 | - | - | - | - | - | | |
| 2,5 | 33 | 30 | 36 | 32 | - | - | - | - | - | | |
| 4 | 45 | 40 | 49 | 42 | - | - | - | - | - | | |
| 6 | 58 | 52 | 63 | 54 | - | - | - | - | - | | |
| 10 | 80 | 71 | 86 | 75 | - | - | - | - | - | | |
| 16 | 107 | 96 | 115 | 110 | - | - | - | - | - | | |
| 25 | 138 | 119 | 149 | 127 | 161 | 141 | 135 | 182 | 161 | | |
| 35 | 171 | 147 | 185 | 158 | 200 | 176 | 169 | 226 | 201 | | |
| 50 | 209 | 179 | 225 | 192 | 242 | 216 | 207 | 275 | 246 | | |
| 70 | 269 | 229 | 289 | 246 | 310 | 279 | 268 | 353 | 318 | | |
| 95 | 328 | 278 | 352 | 298 | 377 | 342 | 328 | 430 | 389 | | |
| 120 | 382 | 322 | 410 | 346 | 437 | 400 | 383 | 507 | 454 | | |
| 150 | 441 | 371 | 473 | 399 | 504 | 464 | 444 | 577 | 527 | | |
| 185 | 506 | 424 | 542 | 456 | 575 | 533 | 510 | 661 | 605 | | |
| 240 | 599 | 500 | 641 | 539 | 679 | 634 | 607 | 781 | 719 | | |
| 300 | 693 | 576 | 741 | 621 | 783 | 736 | 703 | 902 | 833 | | |
| 400 | - | - | - | - | 940 | 868 | 823 | 1085 | 1008 | | |
| 500 | - | - | - | - | 1083 | 998 | 946 | 1253 | 1169 | | |
| 630 | - | - | - | - | 1254 | 1151 | 1088 | 1454 | 1362 | | |

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires - see DIN VDE0298 part 4.











1) The current ratings are valid for cables with concentric conductor, only for versions.

2) For further installation methods - see DIN VDE 0298 part 4.

CURRENT RATINGS FOR NYY, NAYY, NYCY, NAYCY 0,6/1 KV

| CURRENT CARRYING CAPACITY IN AMPERE (A), LAYING IN GROUND (20 °C) | | | | | | | | | | |
|--|---|---|---|---|---|---|--|---|---|---|
| Nominal cross-section mm ² | Copper Conductor | | | | | Aluminium Conductor | | | | |
| | NYY | | | NYCY | | NAYY | | | NAYCY | |
| |  |  |  |  |  |  |  |  |  |  |
| 1,5 | 30 | 27 | 41 | 31 | 27 | - | - | - | - | - |
| 2,5 | 39 | 36 | 55 | 40 | 36 | - | - | - | - | - |
| 4 | 50 | 47 | 71 | 51 | 47 | - | - | - | - | - |
| 6 | 62 | 59 | 90 | 63 | 59 | - | - | - | - | - |
| 10 | 83 | 79 | 124 | 84 | 79 | - | - | - | - | - |
| 16 | 107 | 102 | 160 | 108 | 102 | - | - | - | - | - |
| 25 | 138 | 133 | 208 | 139 | 133 | 106 | 102 | 160 | 108 | 103 |
| 35 | 164 | 159 | 250 | 166 | 160 | 127 | 123 | 193 | 129 | 123 |
| 50 | 195 | 188 | 296 | 196 | 190 | 151 | 144 | 230 | 153 | 145 |
| 70 | 238 | 232 | 365 | 238 | 234 | 185 | 179 | 283 | 187 | 180 |
| 95 | 286 | 280 | 438 | 281 | 280 | 222 | 215 | 340 | 223 | 216 |
| 120 | 325 | 318 | 501 | 315 | 319 | 253 | 245 | 389 | 252 | 246 |
| 150 | 365 | 359 | 563 | 347 | 357 | 284 | 275 | 436 | 280 | 276 |
| 185 | 413 | 406 | 639 | 385 | 402 | 322 | 313 | 496 | 314 | 313 |
| 240 | 479 | 473 | 746 | 432 | 463 | 375 | 364 | 578 | 358 | 362 |
| 300 | 541 | 535 | 848 | 473 | 518 | 425 | 419 | 656 | 397 | 415 |
| 400 | 614 | 613 | 975 | 521 | 579 | 487 | 484 | 756 | 441 | 474 |
| 500 | 693 | 687 | 1125 | 574 | 624 | 558 | 553 | 873 | 489 | 528 |

¹⁾Rated current for direct current systems with a far-distanced return conductor











| CURRENT CARRYING CAPACITY IN AMPERE (A), LAYING IN AIR (30 °C) | | | | | | | | | | |
|---|---|---|---|---|---|---|--|---|---|---|
| Nominal cross-section mm ² | Copper Conductor | | | | | Aluminium Conductor | | | | |
| | NYY | | | NYCY | | NAYY | | | NAYCY | |
| |  |  |  |  |  |  |  |  |  |  |
| 1,5 | 21 | 19,5 | 27 | 22 | 19,5 | - | - | - | - | - |
| 2,5 | 28 | 25 | 35 | 29 | 26 | - | - | - | - | - |
| 4 | 37 | 34 | 47 | 39 | 34 | - | - | - | - | - |
| 6 | 47 | 43 | 59 | 49 | 44 | - | - | - | - | - |
| 10 | 64 | 59 | 81 | 67 | 60 | - | - | - | - | - |
| 16 | 84 | 79 | 107 | 89 | 80 | - | - | - | - | - |
| 25 | 114 | 106 | 144 | 119 | 108 | 87 | 82 | 110 | 91 | 83 |
| 35 | 139 | 129 | 176 | 146 | 132 | 107 | 100 | 135 | 112 | 101 |
| 50 | 169 | 157 | 214 | 177 | 160 | 131 | 119 | 166 | 137 | 121 |
| 70 | 213 | 199 | 270 | 221 | 202 | 166 | 152 | 210 | 173 | 155 |
| 95 | 264 | 246 | 334 | 270 | 249 | 205 | 186 | 259 | 212 | 189 |
| 120 | 307 | 285 | 389 | 310 | 289 | 239 | 216 | 302 | 247 | 220 |
| 150 | 352 | 326 | 446 | 350 | 329 | 273 | 246 | 345 | 280 | 249 |
| 185 | 406 | 374 | 516 | 399 | 377 | 317 | 285 | 401 | 321 | 287 |
| 240 | 483 | 445 | 618 | 462 | 443 | 378 | 338 | 479 | 374 | 339 |
| 300 | 557 | 511 | 717 | 519 | 504 | 437 | 400 | 555 | 426 | 401 |
| 400 | 646 | 597 | 843 | 583 | 577 | 513 | 472 | 653 | 488 | 468 |
| 500 | 747 | 669 | 994 | 657 | 626 | 600 | 539 | 772 | 556 | 524 |

¹⁾Rated current for direct current systems with a far-distanced return conductor

| CONDUCTOR CONVERSION FACTORS FOR MULTICORE CABLE (≥ 5 CORES) | | |
|---|--------------------|-----------------|
| The conversion factors are to be used for laying the cables in ground or in air, to the values given in above tables. | | |
| Numer Of Loaded Cores N | Laying in Ground F | Laying in Air F |
| 5 | 0,7 | 0,75 |
| 7 | 0,6 | 0,65 |
| 10 | 0,5 | 0,55 |
| 14 | 0,45 | 0,5 |
| 19 | 0,4 | 0,45 |
| 24 | 0,35 | 0,4 |
| 41 | 0,3 | 0,35 |
| 61 | 0,25 | 0,3 |

Note: Valid for cross-section 1,5 to 10 mm²]

CURRENT RATINGS FOR N2XY, NA2XY; N2XC2Y, NA2XC2Y; N2X2Y; NA2X2Y; N2XC2Y, NA2XC2Y; N2XH, NA2XH; N2XCH; NA2XCH

| CURRENT CARRYING CAPACITY IN AMPERE (A), LAYING IN GROUND (20 °C) | | | | | | | | | | |
|---|---|---|---|---|---|---|--|---|---|---|
| Nominal cross-section mm ² | Copper Conductor | | | | | Aluminium Conductor | | | | |
| | N2XY; N2X2Y | | | N2XC2Y; NA2XC2Y | | NA2XY; NA2X2Y | | | NA2XC2Y; NA2XC2Y | |
| |  |  |  |  |  |  |  |  |  |  |
| 1.5 | 48 | 31 | 33 | 31 | 33 | - | - | - | - | - |
| 2.5 | 63 | 40 | 42 | 40 | 43 | - | - | - | - | - |
| 4 | 82 | 52 | 54 | 52 | 55 | - | - | - | - | - |
| 6 | 102 | 64 | 67 | 65 | 68 | - | - | - | - | - |
| 10 | 136 | 86 | 89 | 87 | 91 | - | - | - | - | - |
| 16 | 176 | 112 | 115 | 113 | 117 | - | - | - | - | - |
| 25 | 229 | 145 | 148 | 146 | 150 | 177 | 112 | 114 | 113 | 116 |
| 35 | 275 | 174 | 177 | 176 | 179 | 212 | 135 | 136 | 136 | 138 |
| 50 | 326 | 206 | 209 | 208 | 211 | 252 | 158 | 162 | 159 | 164 |
| 70 | 400 | 254 | 256 | 256 | 257 | 310 | 196 | 199 | 197 | 201 |
| 95 | 480 | 305 | 307 | 307 | 304 | 372 | 234 | 238 | 236 | 240 |
| 120 | 548 | 348 | 349 | 349 | 341 | 425 | 268 | 272 | 269 | 272 |
| 150 | 616 | 392 | 393 | 391 | 377 | 476 | 300 | 305 | 302 | 303 |
| 185 | 698 | 444 | 445 | 442 | 418 | 541 | 342 | 347 | 342 | 340 |
| 240 | 815 | 517 | 517 | 509 | 469 | 631 | 398 | 404 | 397 | 387 |
| 300 | 927 | 585 | 583 | 569 | 514 | 716 | 457 | 457 | 454 | 430 |
| 400 | 1064 | 671 | 663 | 637 | 565 | 825 | 529 | 525 | 520 | 479 |
| 500 | 1227 | 758 | 749 | 691 | 623 | 952 | 609 | 601 | 584 | 531 |

¹Rated current for direct current systems with a far-distanced return conductor

| CONVERSION FACTORS FOR DEVIATING AMBIENT TEMPERATURE T (°C) | | | | | | |
|---|---|-------|-------|-------|-------|-------|
| Permissible operating temperature | 40 °C | 60 °C | 70 °C | 80 °C | 85 °C | 90 °C |
| Ambient temperature °C | Conversion factors used for the corresponding prescribed current ratings in the table | | | | | |
| 10 | 1.73 | 1.29 | 1.22 | 1.18 | 1.17 | 1.15 |
| 15 | 1.58 | 1.22 | 1.17 | 1.14 | 1.13 | 1.12 |
| 20 | 1.41 | 1.15 | 1.12 | 1.1 | 1.09 | 1.08 |
| 25 | 1.22 | 1.08 | 1.06 | 1.05 | 1.04 | 1.04 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | 0.71 | 0.91 | 0.94 | 0.95 | 0.95 | 0.96 |
| 40 | - | 0.82 | 0.87 | 0.89 | 0.9 | 0.91 |
| 45 | - | 0.71 | 0.79 | 0.84 | 0.85 | 0.87 |
| 50 | - | 0.58 | 0.71 | 0.77 | - | 0.82 |
| 55 | - | 0.41 | 0.61 | 0.71 | - | 0.76 |
| 60 | - | - | 0.5 | 0.63 | - | 0.71 |
| 65 | - | - | 0.35 | 0.55 | - | 0.65 |
| 70 | - | - | - | 0.45 | - | 0.58 |
| 75 | - | - | - | 0.32 | - | 0.5 |
| 80 | - | - | - | - | - | 0.41 |
| 85 | - | - | - | - | - | 0.29 |

iNKACABLE





İNTEKAR GLOBAL CABLE CORPORATION



+389 76 958 312
export@intekarglobal.com
www.inkacable.com
Industrial Zone, Dubrovo,
Negotino 1440 North Macedonia