



METAL CABLE

LOW VOLTAGE CABLES



WWW . metalcableco. COM
D/SA/01. Rev : 02. Date: May 2022



METAL CABLE CO.



In The Name Of God



METAL CABLE

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About Us

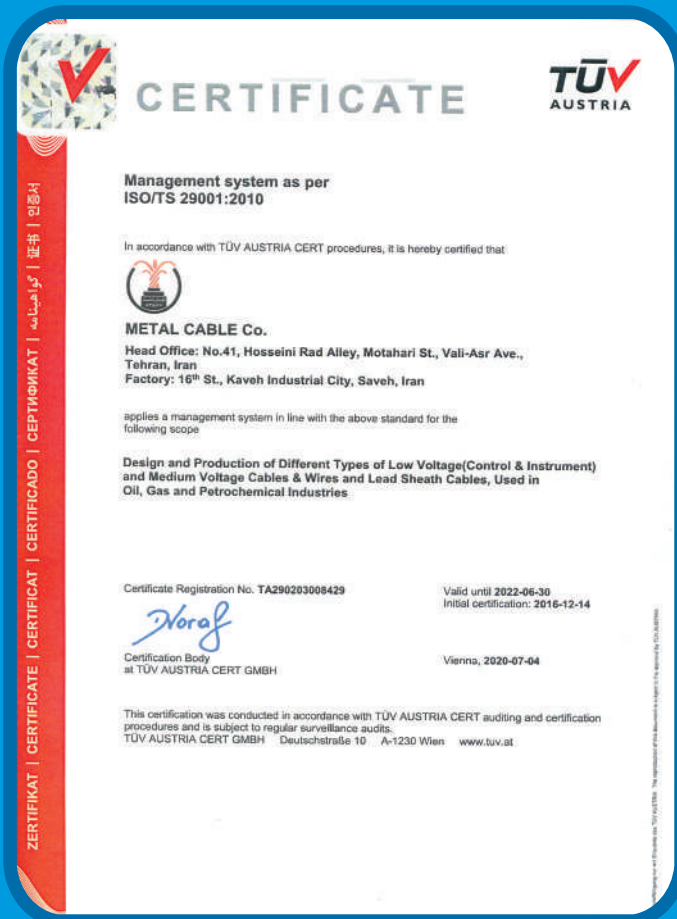
Metal Cable Company, in order to achieve the industrial self-sufficiency of the country in 1370, was established by the private sector with the construction of a factory in Kaveh Industrial City (Saveh), and with the installation and commissioning of machines and specialized laboratory equipment in the field of wire and cable production in category low voltage power (Copper and Aluminum), Instrument and self-supporting cables to meet the needs of domestic and foreign markets with the efforts of experienced and efficient engineers in the technical and engineering sectors, quality control and production has begun its activities. By performing several steps of development plan and installation of modern machines and quantitative and qualitative changes in production lines, the company in 1387 succeeded in launching a production line of Fire resistance cables, in 1390 succeeded in launching production lines of medium and high voltage cables Up to 63 KV and lead sheathed cables.

The raw materials used by the factory are supplied from the best domestic and foreign Supplier and their quality is measured by the quality control unit using the best testing equipment. Although, control of Semi-made products and final test of all products are done according the national and international standards such as INSO, IEC, BS, EN, ASTM, VDE, IPS by Establishment quality control an equipped laboratory. It should be noted that the design and engineering unit of the company is responsible for designing orders in accordance with national and international standards at the request of customers.

This company has Faraday, Fire and Low Voltage (LV) laboratories to test all types of power cables, medium and low Voltage, instrument, control, fire resistant, halogen free, silicone, etc. Metal Cable Laboratory is proud to cooperate with other related industries in conducting tests and issuing test certificates with the approval of the National Standards Organization as an Accredited Laboratory.



Certificates



CERTIFICATE

TÜV AUSTRIA

Management system as per ISO/TS 29001:2010

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

METAL CABLE Co.
 Head Office: No.41, Hosseini Rad Alley, Motahari St., Vali-Asr Ave., Tehran, Iran
 Factory: 16th St., Kaveh Industrial City, Saveh, Iran

applies a management system in line with the above standard for the following scope

Design and Production of Different Types of Low Voltage(Control & Instrument) and Medium Voltage Cables & Wires and Lead Sheath Cables, Used in Oil, Gas and Petrochemical Industries

Certificate Registration No. **TA290203008429** Valid until **2022-06-30**
 Initial certification: **2016-12-14**

Horaf
 Certification Body at TÜV AUSTRIA CERT GMBH Vienna, 2020-07-04

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits.
 TÜV AUSTRIA CERT GMBH Deutschstraße 10 A-1230 Wien www.tuv.at



CERTIFICATE

TÜV AUSTRIA PARTNER

Management system as per ISO 9001: 2015

In accordance with procedures of TÜV NORD Iran, it is hereby certified that

METAL CABLE Co.
 Head Office: No.41, Hosseini Rad Alley, Motahari St., Vali-Asr Ave., Tehran, Iran
 Factory: 16th St., Kaveh Industrial City, Saveh, Iran

applies a management system in line with the above standard for the following scope

Design and Production of Different Types of Low Voltage (Control & Instrument) and Medium Voltage Cables & Wires and Lead Sheath Cables

Certificate Registration No. **TA-IR 100 207208** Valid until **2022-06-30**
 Initial certification: **2013-07-05**

S. Khavari
 Certification Body at TÜV NORD Iran (TÜV AUSTRIA Partner in Iran) Tehran, 2020-07-04

This certification was conducted in accordance with the auditing and certification procedures of TÜV NORD Iran and is subject to regular surveillance audits.

TÜV NORD Iran (TÜV AUSTRIA Partner in Iran)
 Apt. 4, 5th Floor, Fircozeh Building, No. 22, Fircozeh St., North Sohravardi St., 1553813346 - Tehran, Iran

NACI Accredited Certification Body
IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

Certificates



CERTIFICATE

TÜV AUSTRIA PARTNER

Management system as per ISO 14001: 2015

In accordance with procedures of TÜV NORD Iran, it is hereby certified that



METAL CABLE Co.
 Head Office: No.41, Hosseini Rad Alley, Motahari St., Vali-Asr Ave., Tehran, Iran
 Factory: 16th St., Kaveh Industrial City, Saveh, Iran

applies a management system in line with the above standard for the following scope

Design and Production of Different Types of Low Voltages (Control & Instrument) and Medium Voltage Cables & Wires and Lead Sheath Cables

Certificate Registration No. TA-IR 164 20267 Valid until 2022-06-30
 Initial certification: 2013-07-05



Certification Body at TÜV NORD Iran (TÜV AUSTRIA Partner in Iran) Tehran, 2020-07-04

This certification was conducted in accordance with the auditing and certification procedures of TÜV NORD Iran and is subject to regular surveillance audits.

TÜV NORD Iran (TÜV AUSTRIA Partner in Iran)
 Apt. 4, 5th Floor, Firoozeh Building, No. 22, Firoozeh St. North Sohravardi St., 1563813348 - Tehran, Iran





CERTIFICATE

TÜV AUSTRIA

Management system as per ISO 45001:2018

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that



METAL CABLE Co.
 Head Office: No.28, Hosseini Rad Alley, Motahari St., Vali-Asr Ave., Tehran, Iran
 Factory: 16th St., Kaveh Industrial City, Saveh, Iran

applies a management system in line with the above standard for the following scope

Design & Production of Different Types of Low Voltage (Control & Instrument) and Medium Voltage Cables & Wires and Lead Sheath Cables

Certificate Registration No. 20116203008773 Valid until 2022-06-30
 Initial certification: 2013-07-05




Certification Body at TÜV AUSTRIA CERT GMBH Vienna, 2020-11-24

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits.
 TÜV AUSTRIA CERT GMBH Deutschstraße 10 A-1230 Wien www.tuv.at




Certificates




KEMA TEST REPORT

1186-18


Object	Single-core power cable
Type	$U_0 = 12$ kV 1x240 mm ² XLPE CABLE 12/20 (24) kV - 1x240 mm ² - Cu - XLPE - LSHOF
Client	Metal Cable Co., No. 41, Hosseini Rad Alley, Motahari Coner, Valiasr Ave. 1595814613 Tehran, Iran
Manufacturer	Metal Cable Co., No. 41, Hosseini Rad Alley, Motahari Coner, Valiasr Ave. 1595814613 Tehran, Iran *)
Tested by	DNV GL Netherlands B.V., Arnhem, the Netherlands
Date of tests	13 March to 26 May 2018
Test specification	The tests have been carried out in accordance with client's instructions. Test procedure and test parameters were based on IEC 60502-1:2004+AMD1:2009 and IEC 60502-2:2014.
Summary and conclusion	See chapter 1 for test specifications and results.

This report applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
*) as declared by the client


This report consists of 42 pages in total.



DNV GL Netherlands B.V.



J.P. Fontejne
Executive Vice President
KEMA Laboratories



KEMA Laboratories

Arnhem, 27 August 2018

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Certificates



گواهینامه تایید صلاحیت آزمایشگاه Laboratory Accreditation Certificate

The National Accreditation Center of Iran (NACI)
herewith confirms that :

مرکز ملی تایید صلاحیت ایران بدین وسیله تایید می نماید که :

Metal Cable Laboratory

آزمایشگاه کابل متال

Address: NO.28 , 16 Ave., Kaveh Industrial City, Saveh,
I.R.IRAN
Tel: +98(86) 42343797-9
Fax : +98(86) 42345606
Web Site : www.Metalcableco.Com

نشانی: ساوه، شهر صنعتی کاوه، خیابان ۱۶، پلاک ۲۸
تلفن: ۹-۴۲۳۴۳۷۹۷-۰۸۶ - ۵-۰۸۶-۴۲۳۴۵۶۰۲-۰۸۶
دورنگار: ۰۸۶-۴۲۳۴۵۶۰۶
سایت اینترنتی: www.Metalcableco.Com

Has fulfilled the **ISIRI-ISO/IEC 17025**.
And is competent to carry out Test Calibration
services according to accreditation scope are listed in
Ipage/s of annex.

الزامات استاندارد ایران - ایزو/ای سی سی ۱۷۰۲۵ را رعایت نموده است.
و صلاحیت انجام خدمات آزمون کالیبراسیون مطابق دامنه کاربردی
که جزئیات آن در ۱ برگ پیوست آمده است را داراست.

NACI Registration No: NACI/Lab/669
Initial Accreditation Date and Place: 2015.04.18-Tehran
Renewal Date : 2019.05.04
Expiry Date : 2022.05.03

شماره گواهینامه تایید صلاحیت: NACI/Lab/669
تاریخ و محل صدور اولیه گواهینامه: ۹۴/۰۱/۲۹ - تهران
تاریخ صدور مجدد گواهینامه: ۱۳۹۸/۰۲/۱۴
تاریخ خاتمه اعتبار گواهینامه: ۱۴۰۱/۰۲/۱۳

Validity of Accreditation Certificate depends on
continuity of compliance with the relevant requirements
and obtaining the approval based on the annual
surveillance assessment.

حفظ اعتبار در طول دوره منوط به استمرار انطباق با ضوابط مربوطه و اخذ
تاییدیه در ارزیابی های مراقبتی سالانه است.


N. Pirouzbakht
PRESIDENT, IRAN ACCREDITATION COUNCIL


نیره پیروزبخت
رئیس شورای تایید صلاحیت ایران

A.R. Khakifirooz
NACI PRESIDENT


A.R. Khakifirooz

علیرضا خاکی فیروز
رئیس مرکز ملی تایید صلاحیت ایران


A.R. Khakifirooz

Certificates



جمهوری اسلامی ایران
Islamic Republic of Iran



مرکز ملی تایید صلاحیت ایران

گواهینامه تایید صلاحیت آزمایشگاه Laboratory Accreditation Certificate

Annex Accreditation Scope of Metal Cable Laboratory

No.	Product Name	Product oriented ¹	Test oriented ²	Test title	Applicable Range	Reference
1	Non-Sheathed Cables for Fixed wiring	✓		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V- Part 3	---	ISIRI 607-3
2	Sheathed Cables for Fixed wiring	✓		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V- Part 4	---	ISIRI 607-4
3	Flexible Cables (cords)	✓		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V- Part 5	---	INSO 607-5
4	Power cables With extruded insulation		✓	Power cables with extruded insulation and their accessories for rated voltage from 1kv($U_m = 1.2kV$) Up to 30kV(36kV)- part1, except hardness test, Ozone resistance, Fluorine content test, soot content test	---	INSO 3569-1

1- Product Oriented: Laboratory is accredited to meet all requirements of the product specification standard.

2- Test Oriented: Laboratory is accredited for carrying out the tests mentioned in the above table.

A.R. Khakifrooz
NACI PRESIDENT

A.R. Khakifrooz

Page 2 of 2

N. Pirouzbakht

PRESIDENT, IRAN ACCREDITATION COUNCIL

Certificates



گواهینامه تایید صلاحیت آزمایشگاه Laboratory Accreditation Certificate

پیوست

دامنه کاربرد تایید صلاحیت آزمایشگاه کابل متال

ردیف	نام محصول	محصول محور ^۱	آزمون محور ^۲	عنوان آزمون	محدوده کاربرد	مرجع
۱	سیم ها برای سیم کشی نصب ثابت	✓		سیم و کابل با عایق پلی وینیل کلراید با ولتاژ اسمی تا و خود ۴۵۰/۷۵۰ ولت- قسمت سوم	---	ISIRI 607-3
۲	کابل ها برای سیم کشی نصب ثابت	✓		سیم و کابل با عایق پلی وینیل کلراید با ولتاژ اسمی تا و خود ۴۵۰/۷۵۰ ولت- قسمت چهارم	---	ISIRI 607-4
۳	کابل ها و بندهای قابل انعطاف.	✓		سیم و کابل با عایق پلی وینیل کلراید با ولتاژ اسمی تا و خود ۴۵۰/۷۵۰ ولت- قسمت پنجم	---	INSO 607-5
۴	کابل های قدرت با عایق اکستروژده شده		✓	کابل های قدرت با عایق اکستروژده شده و تجهیزات جانبی آنها برای ولتاژهای از (= 1.2Kv (U _m 1Kv تا و خود (U _m =36Kv) 30Kv قسمت 1 بجز آزمون های سختی، مقاومت در برابر آزن، میزان فلونور و میزان دوده	---	INSO 3569-1

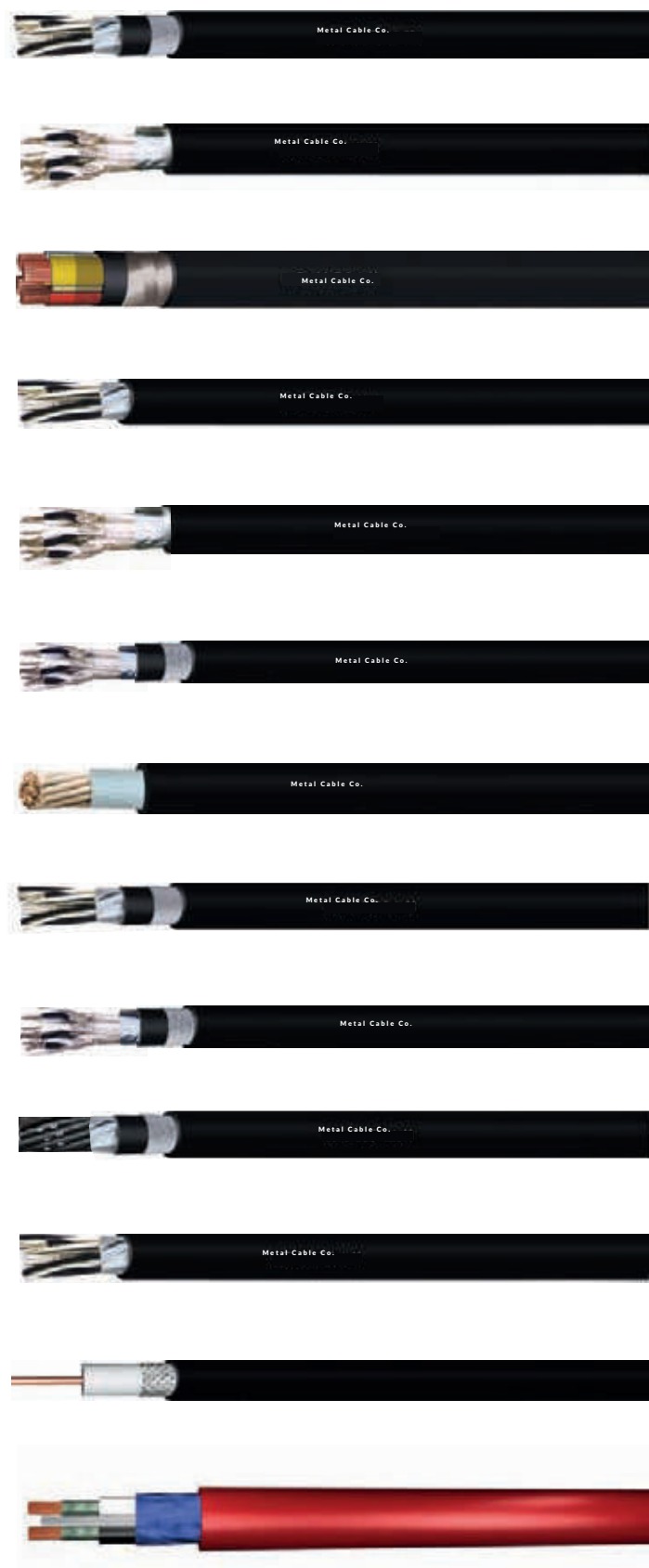
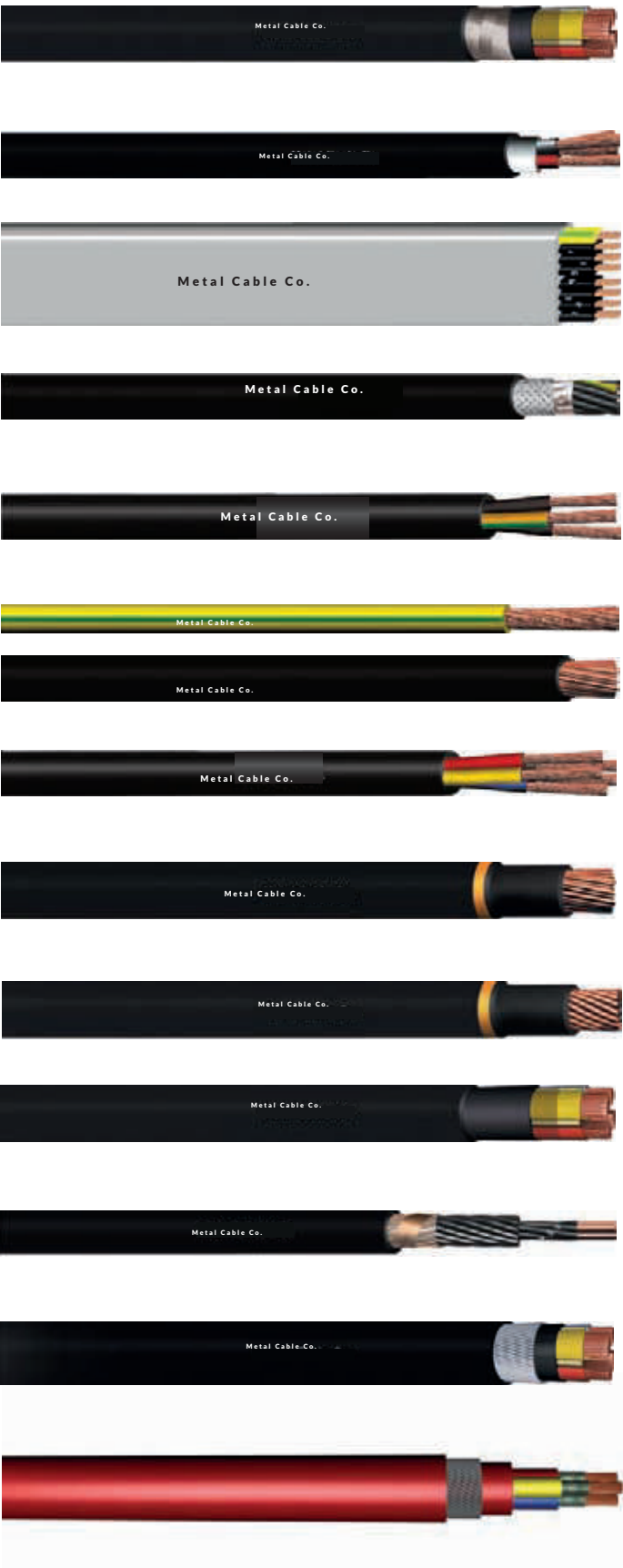
۱- محصول محور: آزمایشگاه جهت انجام کلیه آزمون های مندرج در استاندارد ویژگی های محصول، تایید صلاحیت شده است.
۲- آزمون محور: آزمایشگاه جهت انجام آزمون های مندرج در جدول فوق تایید صلاحیت شده است.

نیره پیروزیخت
رئیس شورای تایید صلاحیت ایران

علیرضا خاکی فیروز
رئیس مرکز ملی تایید صلاحیت ایران

نیره پیروز

صفحه ۲ از ۲



LOW VOLTAGE CABLES

Metal cable co.



METAL CABLE



Flexible Cables

Polyvinylchloride PVC insulation

300/ 300 V , 300/ 500 V , 450 /750 V , 600/ 1000 V

- ▶ CU/PVC (NYAF)
- ▶ CU/PVC/PVC (NYLHY)
- ▶ CU/PVC/PVC (NYMHY)
- ▶ CU/PVC/PVC (NYSLY-O-J)
- ▶ CU/PVC/PET/SCR (COPPER BRAID) / PVC (NYSLCY - O - J)
- ▶ CU/PVC/PVC/SCR (COPPER BRAID) / PVC (NYSLYCY - O - J)
- ▶ CU/PVC/PVC (FLAT CABLES) - (NYFLY)
- ▶ CU/PVC/PVC (FLEXIBLE NY Y)



PVC INSULATED NON SHEATHED SINGLE CORE WIRE



NYAF, HO5V-K, H07V-K / 300/ 500 V, 450 /750 V

Application : These cables are used for the purpose of lighting in residential and commercial building in surface mounted or embedded conduits. Suitable for voltages up to 1000 VAC or up to 750 VDC to earth when used for fixed installation indoor applications.

Specification : IEC 60227-3 , BS-6004 , VDE-0250 , ISIRI(607)02

Construction :

- 1) Conductor : Plain annealed flexible copper stranded as per class 5 of IEC 60228,VDE 0295,ISIRI 3084
- 2) Insulation : Polyvinyl chloride- PVC

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/500 V up to 1.0 mm² , 450/750 V for 1.5 mm² and above
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 1500 VAC for 300/500 V , 2500 VAC for 450/750 V for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Approx. Overall diameter	Approx. weight	Max. d.c. resistance
mm ²	N x d _{mm}	mm	mm	Kg/km	Ω/km
0.5	16x0.2	0.6	2.2	9	39
0.75	24x0.2	0.6	2.4	12	26
1.0	32x0.2	0.6	2.6	15	19.5
1.5	30x0.25	0.7	3.0	21	13.3
2.5	50x0.25	0.8	3.6	33	7.98
4.0	56x0.3	0.8	4.2	48	4.95
6.0	84x0.3	0.8	4.8	68	3.30
10	80x0.4	1.0	6.1	114	1.91
16	127x0.4	1.0	7.1	173	1.21
25	199x0.4	1.2	9.3	272	0.780
35	278x0.4	1.2	10.7	365	0.554
50	398x0.4	1.4	12.6	520	0.386
70	357x0.5	1.4	14.4	712	0.272
95	484x0.5	1.6	16.4	956	0.206
120	612x0.5	1.6	18.2	1210	0.161
150	765x0.5	1.8	20.2	1520	0.129
185	943x0.5	2.0	22.4	1874	0.106
240	1224x0.5	2.2	25.4	2420	0.0801



▶ FLEXIBLE PVC CABLES WITH PVC INSULATION



NYLHY , HO3VV-K / 300 /300 V

Application : These cables are useful for use in domestic premises, kitchen, office for light duties for light portable appliance. These cable can be used in applications where extra flexibilities is required provided there is no danger of damage. Not suitable for cooking or heating application.

Specification : IEC 60227 , BS-6500 , VDE-0250 , ISIRI(607)

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 , VDE 0295 , ISIRI 3084
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour
- 4) Assembly : Core twisted together to make a round assembly with fillers wherever necessary.
- 5) Outer sheath : Polyvinyl chloride -PVC .
standard colour is white, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/300 V R.M.S
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 1500 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x0.5	16x0.2	0.5	0.6	5.2	40
2x0.75	24x0.2	0.5	0.6	5.7	49
3x0.5	16x0.2	0.5	0.6	5.6	48
3x0.75	24x0.2	0.5	0.6	6.0	60
4x0.5	16x0.2	0.5	0.6	6.1	58
4x0.75	24x0.2	0.5	0.6	6.6	66



FLEXIBLE PVC CABLES WITH PVC INSULATION



NYMHY , HO5VV-K 300 /500 V

Application : These cables are useful for use in dry or damp locations for medium duties in domestic premises, kitchens, office. Suitable for washing machines, refrigerator etc. Can be used for cooking and heating appliance provided that the cable does not come in contact with the hot parts.

Specification : IEC 60227 , BS-6500 , VDE-0250 , ISIRI (607)

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228, VDE 0295, ISIRI 3084
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour
- 4) Assembly : Core twisted together to make a round assembly with fillers wherever necessary.
- 5) Outer sheath : Polyvinyl chloride -PVC.
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/500 V R.M.S
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 2000 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size mm ²	No. strand x diameter N x d _{mm}	Insulation thickness mm	Sheath thickness mm	Approx. Overall diameter mm	Approx. weight Kg/km
2x0.75	24x0.2	0.6	0.8	6.5	61
2x1	32x0.2	0.6	0.8	6.8	70
2x1.5	30x0.25	0.7	0.8	7.7	91
2x2.5	50x0.25	0.8	1.0	9.4	138
2x4	56x0.3	0.8	1.1	10.7	190
3x0.75	24x0.2	0.6	0.8	6.9	72
3x1	32x0.2	0.6	0.8	7.2	84
3x1.5	30x0.25	0.7	0.9	8.4	112
3x2.5	50x0.25	0.8	1.1	10.2	172
3x4	56x0.3	0.8	1.2	11.6	240
4x0.75	24x0.2	0.6	0.9	7.7	90
4x1	32x0.2	0.6	0.9	8.1	104
4x1.5	30x0.25	0.7	1.0	9.3	142
4x2.5	50x0.25	0.8	1.1	11.1	210
4x4	56x0.3	0.8	1.2	12.6	295
5x0.75	24x0.2	0.6	0.9	8.4	110
5x1	32x0.2	0.6	0.9	8.8	130
5x1.5	30x0.25	0.7	1.1	10.4	180
5x2.5	50x0.25	0.8	1.2	12.4	265
5x4	56x0.3	0.8	1.4	14.4	380


FLEXIBLE PVC CABLES

CU/PVC/PVC HO7VV-K 450 /750 V

Application : These flexible control cables is suitable for all electrical installation in dry or humid location, under industrial condition, but not in the open air . Applications include machine tool manufacture, power station, heating and air conditioning installation etc.

Specification : VDE - 0281

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 or VDE 0295
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour
- 4) Assembly : Core twisted together to make a round assembly with fillers wherever necessary.
- 5) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

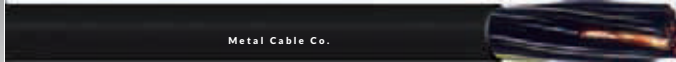
Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 450/750 V R.M.S
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 2500 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x6	84x0.3	0.8	1.2	12	257
2x10	80x0.4	1.0	1.4	14.6	400
2x16	127x0.4	1.0	1.4	17.5	585
3x6	84x0.3	0.8	1.4	12.8	320
3x10	80x0.4	1.0	1.4	16.4	535
3x16	127x0.4	1.0	1.4	19.2	780
4x6	84x0.3	0.8	1.4	14	395
4x10	80x0.4	1.0	1.4	18	655
4x16	127x0.4	1.0	1.6	21	965
5x6	84x0.3	0.8	1.4	15.5	480
5x10	80x0.4	1.0	1.6	20.2	820
5x16	127x0.4	1.0	1.8	23.2	1160



FLEXIBLE PVC CABLES



NYSLY-O-J , H05VV-K / 300/ 500 V

Application : These cables are recommended for all electrical installations in dry or humid locations. These cables are specially suitable for control purposes in machine tool manufacturing, production lines, industrial plants, air conditioning installation and steel plants.

Specification : IEC 60227 , VDE-0250

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 or VDE 0295
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : Black with white numbered. Cables with three or more cores shall have one core coloured green/yellow.
- 4) Assembly : The cores twisted together, if necessary in several concentric layers. The assembly is covered with a polyester tape if necessary
- 5) Outer sheath : Polyvinyl chloride -PVC.
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/500 V R.M.S
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 2000 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x0.5	16x0.2	0.6	0.7	6.0	50
3x0.5	16x0.2	0.6	0.7	6.3	60
4x0.5	16x0.2	0.6	0.8	7.0	73
5x0.5	16x0.2	0.6	0.8	7.7	84
6x0.5	16x0.2	0.6	0.9	8.5	102
7x0.5	16x0.2	0.6	0.9	9.5	116
8x0.5	16x0.2	0.6	1.0	10.5	148
10x0.5	16x0.2	0.6	1.0	11.0	162
12x0.5	16x0.2	0.6	1.1	11.5	188
14x0.5	16x0.2	0.6	1.1	12	210
16x0.5	16x0.2	0.6	1.2	12.8	240
20x0.5	16x0.2	0.6	1.2	14.5	292
24x0.5	16x0.2	0.6	1.4	16.1	355
27x0.5	16x0.2	0.6	1.4	16.5	382
30x0.5	16x0.2	0.6	1.4	17.0	420
34x0.5	16x0.2	0.6	1.5	18	462
37x0.5	16x0.2	0.6	1.5	18.5	495
40x0.5	16x0.2	0.6	1.6	19.8	510
50x0.5	16x0.2	0.6	1.7	21.5	640
61x0.5	16x0.2	0.6	1.8	23.0	746


H05VV-K, NYSLY-O-J , 300/500 V

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x0.75	24x0.2	0.6	0.8	6.6	62
3x0.75	24x0.2	0.6	0.8	7.0	72
4x0.75	24x0.2	0.6	0.8	7.6	88
5x0.75	24x0.2	0.6	0.9	8.5	106
6x0.75	24x0.2	0.6	0.9	9.2	122
7x0.75	24x0.2	0.6	1.0	10.4	146
8x0.75	24x0.2	0.6	1.1	11.4	184
10x0.75	24x0.2	0.6	1.1	11.8	202
12x0.75	24x0.2	0.6	1.1	12.2	228
14x0.75	24x0.2	0.6	1.2	13.0	265
16x0.75	24x0.2	0.6	1.2	13.6	295
20x0.75	24x0.2	0.6	1.4	15.5	345
24x0.75	24x0.2	0.6	1.5	17.5	444
27x0.75	24x0.2	0.6	1.5	18.0	490
30x0.75	24x0.2	0.6	1.5	18.5	530
34x0.75	24x0.2	0.6	1.6	19.2	605
37x0.75	24x0.2	0.6	1.6	19.6	620
40x0.75	24x0.2	0.6	1.7	20.5	650
50x0.75	24x0.2	0.6	1.8	23.2	804
61x0.75	24x0.2	0.6	2.0	25.0	970
2x1.0	32x0.2	0.6	0.8	6.8	72
3x1.0	32x0.2	0.6	0.8	7.2	86
4x1.0	32x0.2	0.6	0.8	8.0	102
5x1.0	32x0.2	0.6	0.9	8.8	126
6x1.0	32x0.2	0.6	1.0	9.8	150
7x1.0	32x0.2	0.6	1.0	11.0	174
8x1.0	32x0.2	0.6	1.1	12.0	210
10x1.0	32x0.2	0.6	1.2	12.6	240
12x1.0	32x0.2	0.6	1.2	13.2	280
14x1.0	32x0.2	0.6	1.2	13.8	312
16x1.0	32x0.2	0.6	1.2	14.6	360
20x1.0	32x0.2	0.6	1.4	16.5	384
24x1.0	32x0.2	0.6	1.5	18.6	530
27x1.0	32x0.2	0.6	1.5	19.0	580
30x1.0	32x0.2	0.6	1.6	19.6	640
34x1.0	32x0.2	0.6	1.7	21.1	710
37x1.0	32x0.2	0.6	1.7	21.6	760
40x1.0	32x0.2	0.6	1.8	22.4	788
50x1.0	32x0.2	0.6	1.9	25.0	980
61x1.0	32x0.2	0.6	2.1	26.8	1150



H05VV-K,NYSLY-O-J , 300/500 V

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x1.5	30x0.25	0.6	0.8	7.2	84
3x1.5	30x0.25	0.6	0.8	7.7	104
4x1.5	30x0.25	0.6	1.0	8.8	135
5x1.5	30x0.25	0.6	1.0	9.6	164
6x1.5	30x0.25	0.6	1.0	10.4	198
7x1.5	30x0.25	0.6	1.2	10.8	215
8x1.5	30x0.25	0.6	1.2	13	285
10x1.5	30x0.25	0.6	1.2	13.6	300
12x1.5	30x0.25	0.6	1.2	14	345
14x1.5	30x0.25	0.6	1.4	15.2	385
16x1.5	30x0.25	0.6	1.5	16.2	470
20x1.5	30x0.25	0.6	1.6	18.6	605
24x1.5	30x0.25	0.6	1.8	20.5	695
27x1.5	30x0.25	0.6	1.8	21	760
30x1.5	30x0.25	0.6	1.8	21.6	835
34x1.5	30x0.25	0.6	1.8	23.2	970
37x1.5	30x0.25	0.6	2.0	23.2	1020
40x1.5	30x0.25	0.6	2.0	25	1105
50x1.5	30x0.25	0.6	2.1	27.8	1380
61x1.5	30x0.25	0.6	2.1	29.5	1620
2x2.5	50x0.25	0.7	0.9	8.8	127
3x2.5	50x0.25	0.7	1.0	9.6	162
4x2.5	50x0.25	0.7	1.2	10.9	210
5x2.5	50x0.25	0.7	1.2	11.9	260
6x2.5	50x0.25	0.7	1.2	13	305
7x2.5	50x0.25	0.7	1.2	13	320
8x2.5	50x0.25	0.7	1.4	16.1	420
10x2.5	50x0.25	0.7	1.5	17	470
12x2.5	50x0.25	0.7	1.5	17.6	545
14x2.5	50x0.25	0.7	1.6	18.8	615
16x2.5	50x0.25	0.7	1.7	20	720
20x2.5	50x0.25	0.7	1.8	23	910
24x2.5	50x0.25	0.7	2.0	25	1090
27x2.5	50x0.25	0.7	2.1	25.8	1140
30x2.5	50x0.25	0.7	2.1	26.8	1250
34x2.5	50x0.25	0.7	2.1	28.8	1520
37x2.5	50x0.25	0.7	2.3	28.8	1590
40x2.5	50x0.25	0.7	2.3	31	1770
50x2.5	50x0.25	0.7	2.4	34.4	2140
61x2.5	50x0.25	0.7	2.7	37	2560


FLEXIBLE PVC CABLES WITH SHIELDED

Metal Cable Co.

NYSLCY-O-J, H05VC4V-K, 300/ 500 V

Application : These cables are recommended for all electrical installations in dry or humid locations. These cables are specially suitable for control purposes in machine tool manufacturing, conveyor and assembly lines subject to medium mechanical stresses for fixed or flexible installation.

Specification : IEC 60227 , VDE-0250

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 or VDE 0295
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : Black with white numbered. Cables with three or more cores shall have one core coloured green/yellow.
- 4) Assembly : The cores twisted together, if necessary in several concentric layers. The assembly is covered with a polyester tape if necessary
- 5) Screening : braiding of plain copper or tinned copper wire with 85% coverage.
- 6) Outer sheath : Polyvinyl chloride -PVC.
standard colour is black or grey, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/500 V R.M.S
- 3) Conductor resistance : As per class 5 of IEC 60228
- 4) Test voltage : 2000 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x0.5	16x0.2	0.6	0.16	0.8	6.6	64
3x0.5	16x0.2	0.6	0.16	0.8	6.8	75
4x0.5	16x0.2	0.6	0.16	0.8	7.4	95
5x0.5	16x0.2	0.6	0.16	0.8	8.0	115
6x0.5	16x0.2	0.6	0.16	1.0	9.2	125
7x0.5	16x0.2	0.6	0.16	1.0	9.2	135
8x0.5	16x0.2	0.6	0.16	1.0	10.6	150
10x0.5	16x0.2	0.6	0.21	1.2	11.8	180
12x0.5	16x0.2	0.6	0.21	1.2	12.4	205
14x0.5	16x0.2	0.6	0.21	1.2	13.0	230
16x0.5	16x0.2	0.6	0.21	1.2	13.6	270
20x0.5	16x0.2	0.6	0.21	1.5	16.0	340
24x0.5	16x0.2	0.6	0.21	1.5	17.0	400
27x0.5	16x0.2	0.6	0.21	1.6	17.6	420
30x0.5	16x0.2	0.6	0.21	1.6	18.2	455
34x0.5	16x0.2	0.6	0.21	1.8	20.0	520
37x0.5	16x0.2	0.6	0.21	1.8	20.4	535
40x0.5	16x0.2	0.6	0.26	1.8	21.2	580
50x0.5	16x0.2	0.6	0.26	1.8	23.4	740
61x0.5	16x0.2	0.6	0.26	1.8	24.6	880



H05VC4V-K,NYSLCY-O-J, 300/500 V

Size	No. strand x diameter	Insulation thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x0.75	24x0.2	0.6	0.16	0.8	6.8	82
3x0.75	24x0.2	0.6	0.16	0.8	7.2	94
4x0.75	24x0.2	0.6	0.16	0.8	7.8	114
5x0.75	24x0.2	0.6	0.16	1.0	8.8	130
6x0.75	24x0.2	0.6	0.16	1.0	9.6	154
7x0.75	24x0.2	0.6	0.16	1.0	9.6	155
8x0.75	24x0.2	0.6	0.16	1.0	11.2	180
10x0.75	24x0.2	0.6	0.21	1.2	12.4	230
12x0.75	24x0.2	0.6	0.21	1.2	12.8	260
14x0.75	24x0.2	0.6	0.21	1.2	13.4	305
16x0.75	24x0.2	0.6	0.21	1.2	14.0	340
20x0.75	24x0.2	0.6	0.21	1.5	16.5	420
24x0.75	24x0.2	0.6	0.21	1.5	17.8	485
27x0.75	24x0.2	0.6	0.21	1.8	18.0	520
30x0.75	24x0.2	0.6	0.21	1.8	19.2	570
34x0.75	24x0.2	0.6	0.21	1.8	20.8	640
37x0.75	24x0.2	0.6	0.21	1.8	21.0	670
40x0.75	24x0.2	0.6	0.26	1.8	22.0	730
50x0.75	24x0.2	0.6	0.26	1.8	24.0	920
61x0.75	24x0.2	0.6	0.26	2.1	26	1100
2x1	32x0.2	0.6	0.16	0.8	7.2	85
3x1	32x0.2	0.6	0.16	0.8	7.6	105
4x1	32x0.2	0.6	0.16	0.8	8.4	125
5x1	32x0.2	0.6	0.16	1.0	9.4	150
6x1	32x0.2	0.6	0.16	1.0	10.2	170
7x1	32x0.2	0.6	0.16	1.0	10.2	180
8x1	32x0.2	0.6	0.16	1.0	12.2	210
10x1	32x0.2	0.6	0.21	1.2	13.2	276
12x1	32x0.2	0.6	0.21	1.2	13.8	310
14x1	32x0.2	0.6	0.21	1.2	14.4	340
16x1	32x0.2	0.6	0.21	1.5	15.8	400
20x1	32x0.2	0.6	0.21	1.5	17.8	480
24x1	32x0.2	0.6	0.21	1.8	19.8	560
27x1	32x0.2	0.6	0.21	1.8	20.0	600
30x1	32x0.2	0.6	0.21	1.8	20.6	660
34x1	32x0.2	0.6	0.21	1.8	22.2	780
37x1	32x0.2	0.6	0.26	1.8	22.5	820
40x1	32x0.2	0.6	0.26	2.1	24.2	880
50x1	32x0.2	0.6	0.26	2.1	26.4	1100
61x1	32x0.2	0.6	0.26	2.2	28.2	1300

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H05VC4V-K,NYSLCY-O-J , 300/500 V

Size	No. strand x diameter	Insulation thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x1.5	30x0.25	0.6	0.16	0.8	8.0	112
3x1.5	30x0.25	0.6	0.16	0.8	8.5	135
4x1.5	30x0.25	0.6	0.16	1.0	9.6	165
5x1.5	30x0.25	0.6	0.16	1.0	10.2	200
6x1.5	30x0.25	0.6	0.16	1.2	11.6	240
7x1.5	30x0.25	0.6	0.16	1.2	11.8	250
8x1.5	30x0.25	0.6	0.16	1.2	13.8	280
10x1.5	30x0.25	0.6	0.21	1.2	14.6	360
12x1.5	30x0.25	0.6	0.21	1.2	15.2	410
14x1.5	30x0.25	0.6	0.21	1.5	16.4	480
16x1.5	30x0.25	0.6	0.21	1.5	17.2	530
20x1.5	30x0.25	0.6	0.21	1.8	20.0	650
24x1.5	30x0.25	0.6	0.21	1.8	21.4	770
27x1.5	30x0.25	0.6	0.21	1.8	21.6	860
30x1.5	30x0.25	0.6	0.21	1.8	22.4	950
34x1.5	30x0.25	0.6	0.26	1.8	24.4	1120
37x1.5	30x0.25	0.6	0.26	1.8	24.6	1150
40x1.5	30x0.25	0.6	0.26	2	26.2	1250
50x1.5	30x0.25	0.6	0.26	2.1	29.0	1580
61x1.5	30x0.25	0.6	0.26	2.1	30.8	1780
2x2.5	50x0.25	0.7	0.16	1.0	9.4	150
3x2.5	50x0.25	0.7	0.16	1.0	10.2	185
4x2.5	50x0.25	0.7	0.16	1.2	11.4	240
5x2.5	50x0.25	0.7	0.21	1.2	12.6	290
6x2.5	50x0.25	0.7	0.21	1.2	13.4	370
7x2.5	50x0.25	0.7	0.21	1.2	13.4	380
8x2.5	50x0.25	0.7	0.21	1.5	17.0	440
10x2.5	50x0.25	0.7	0.21	1.5	17.8	555
12x2.5	50x0.25	0.7	0.21	1.5	18.1	630
14x2.5	50x0.25	0.7	0.21	1.6	19.4	710
16x2.5	50x0.25	0.7	0.21	1.8	20.6	810
20x2.5	50x0.25	0.7	0.26	1.8	23.6	980
24x2.5	50x0.25	0.7	0.26	1.8	26.0	1180
27x2.5	50x0.25	0.7	0.26	2.1	26.4	1330
30x2.5	50x0.25	0.7	0.26	2.1	27.2	1460
34x2.5	50x0.25	0.7	0.26	2.1	29.4	1670
37x2.5	50x0.25	0.7	0.26	2.1	29.6	1720
40x2.5	50x0.25	0.7	0.31	2.3	31.5	1830
50x2.5	50x0.25	0.7	0.31	2.4	35.0	2320
61x2.5	50x0.25	0.7	0.31	2.7	37.5	2670



FLEXIBLE PVC CABLES WITH SHIELDED



NYSLYCY -O-J, H05VVC4V-K, 300 /500 V

Application : These cables are recommended for all electrical installations in dry or humid locations. These cables are specially suitable for control purposes in machine tool manufacturing, conveyor and assembly lines subject to medium mechanical stresses for fixed or flexible installation.

Specification : IEC 60227 , VDE-0250

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 or VDE 0295
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : Black with white numbered. Cables with three or more cores shall have one core coloured green/yellow.
- 4) Assembly : The cores twisted together, if necessary in several concentric layers. The assembly is covered with a polyester tape if necessary
- 5) Inner sheath : Polyvinyl chloride -PVC, Colour can be supplied on request.
- 6) Screening : braiding of plain copper or tinned copper wire with 85% coverage.
- 7) Outer sheath : Polyvinyl chloride -PVC
standard colour is black or grey, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Working voltage : 300/500 V R.M.S
- 3) Conductor resistance : As per class 5 of VDE 0295 , IEC 60228
- 4) Test voltage : 2000 VAC for 5 minute
- 5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thicknes	Inner Sheath thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	mm	Kg/km
2x0.5	16x0.2	0.6	0.6	0.16	1.0	8.2	102
3x0.5	16x0.2	0.6	0.6	0.16	1.0	8.4	114
4x0.5	16x0.2	0.6	0.7	0.16	1.0	9.2	132
5x0.5	16x0.2	0.6	0.7	0.16	1.2	10.2	156
6x0.5	16x0.2	0.6	0.7	0.16	1.2	11	170
7x0.5	16x0.2	0.6	0.7	0.16	1.2	11	180
8x0.5	16x0.2	0.6	0.8	0.16	1.2	12.6	210
10x0.5	16x0.2	0.6	0.8	0.21	1.2	13.4	250
12x0.5	16x0.2	0.6	0.8	0.21	1.2	14	280
14x0.5	16x0.2	0.6	0.8	0.21	1.4	15	315
16x0.5	16x0.2	0.6	1.0	0.21	1.5	16.2	360
20x0.5	16x0.2	0.6	1.0	0.21	1.6	18.2	420
24x0.5	16x0.2	0.6	1.0	0.21	1.8	19.6	500
27x0.5	16x0.2	0.6	1.0	0.21	1.8	20	535
30x0.5	16x0.2	0.6	1.0	0.21	1.8	20.6	580
34x0.5	16x0.2	0.6	1.0	0.21	1.8	22	670
37x0.5	16x0.2	0.6	1.2	0.21	2.0	22.4	680
40x0.5	16x0.2	0.6	1.2	0.26	2.0	24	725
50x0.5	16x0.2	0.6	1.2	0.26	2.1	26.2	910
61x0.5	16x0.2	0.6	1.2	0.26	2.1	27.6	1060



H05VVC4V-K,NYSLYCY-O-J , 300/500 V

Size	No. strand x diameter	Insulation thicknes	Inner Sheath thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	mm	Kg/km
2x0.75	24x0.2	0.6	0.6	0.16	1.0	8.4	125
3x0.75	24x0.2	0.6	0.6	0.16	1.0	8.8	132
4x0.75	24x0.2	0.6	0.7	0.16	1.2	10	154
5x0.75	24x0.2	0.6	0.7	0.16	1.2	10.6	180
6x0.75	24x0.2	0.6	0.7	0.16	1.2	11.3	210
7x0.75	24x0.2	0.6	0.7	0.16	1.2	11.3	210
8x0.75	24x0.2	0.6	0.8	0.16	1.2	13.2	240
10x0.75	24x0.2	0.6	0.8	0.21	1.2	14	310
12x0.75	24x0.2	0.6	0.8	0.21	1.2	14.4	355
14x0.75	24x0.2	0.6	1.0	0.21	1.4	15.8	392
16x0.75	24x0.2	0.6	1.0	0.21	1.5	16.6	432
20x0.75	24x0.2	0.6	1.0	0.21	1.5	18.5	500
24x0.75	24x0.2	0.6	1.0	0.21	1.8	20.2	610
27x0.75	24x0.2	0.6	1.0	0.21	1.8	20.6	660
30x0.75	24x0.2	0.6	1.2	0.21	1.8	21.6	705
34x0.75	24x0.2	0.6	1.2	0.21	1.8	23	790
37x0.75	24x0.2	0.6	1.2	0.21	1.8	23	820
40x0.75	24x0.2	0.6	1.2	0.26	2.0	24.6	880
50x0.75	24x0.2	0.6	1.2	0.26	2.1	27	1120
61x0.75	24x0.2	0.6	1.4	0.26	2.1	28.8	1300
2x1	32x0.2	0.6	0.7	0.16	1.0	9	130
3x1	32x0.2	0.6	0.7	0.16	1.0	9.4	150
4x1	32x0.2	0.6	0.7	0.16	1.2	10.5	175
5x1	32x0.2	0.6	0.7	0.16	1.2	11.2	205
6x1	32x0.2	0.6	0.7	0.16	1.2	12	230
7x1	32x0.2	0.6	0.7	0.16	1.2	12	240
8x1	32x0.2	0.6	1.0	0.16	1.2	14.5	280
10x1	32x0.2	0.6	1.0	0.21	1.2	15.2	360
12x1	32x0.2	0.6	1.0	0.21	1.5	16.2	410
14x1	32x0.2	0.6	1.0	0.21	1.5	16.9	450
16x1	32x0.2	0.6	1.0	0.21	1.8	18.2	505
20x1	32x0.2	0.6	1.0	0.21	1.8	20.2	610
24x1	32x0.2	0.6	1.2	0.21	1.8	22	715
27x1	32x0.2	0.6	1.2	0.21	1.8	22.2	760
30x1	32x0.2	0.6	1.2	0.21	2.0	23.3	820
34x1	32x0.2	0.6	1.2	0.21	2.1	25	940
37x1	32x0.2	0.6	1.2	0.26	2.1	25.2	994
40x1	32x0.2	0.6	1.4	0.26	2.1	26.8	1060
50x1	32x0.2	0.6	1.4	0.26	2.1	29	1320
61x1	32x0.2	0.6	1.4	0.26	2.4	31.2	1530



H05VVC4V-K,NYSLYCY-O-J, 300/500 V

Size	No. strand x diameter	Insulation thickness	Inner Sheath thickness	Dia. Of Ind. Wire of screen	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	mm	Kg/km
2x1.5	30x0.25	0.6	0.7	0.16	1.2	10	170
3x1.5	30x0.25	0.6	0.7	0.16	1.2	10.5	194
4x1.5	30x0.25	0.6	0.7	0.16	1.2	11.2	230
5x1.5	30x0.25	0.6	0.7	0.16	1.2	12	280
6x1.5	30x0.25	0.6	0.8	0.16	1.2	13	328
7x1.5	30x0.25	0.6	0.8	0.16	1.2	13	340
8x1.5	30x0.25	0.6	0.8	0.16	1.2	15.2	376
10x1.5	30x0.25	0.6	1.0	0.21	1.5	17	480
12x1.5	30x0.25	0.6	1.0	0.21	1.5	17.5	520
14x1.5	30x0.25	0.6	1.0	0.21	1.5	18.2	616
16x1.5	30x0.25	0.6	1.0	0.21	1.8	19.6	690
20x1.5	30x0.25	0.6	1.2	0.21	1.8	22.2	850
24x1.5	30x0.25	0.6	1.2	0.21	2.1	24.2	980
27x1.5	30x0.25	0.6	1.2	0.21	2.1	24.6	1050
30x1.5	30x0.25	0.6	1.2	0.21	2.1	25.4	1145
34x1.5	30x0.25	0.6	1.2	0.26	2.1	27.2	1350
37x1.5	30x0.25	0.6	1.2	0.26	2.1	27.2	1390
40x1.5	30x0.25	0.6	1.4	0.26	2.3	29.4	1490
50x1.5	30x0.25	0.6	1.4	0.26	2.4	32.2	1810
61x1.5	30x0.25	0.6	1.4	0.26	2.4	34	2100
2x2.5	50x0.25	0.7	0.7	0.16	1.2	11.2	228
3x2.5	50x0.25	0.7	0.7	0.16	1.2	11.8	260
4x2.5	50x0.25	0.7	0.8	0.16	1.2	12.8	320
5x2.5	50x0.25	0.7	0.8	0.21	1.2	14	386
6x2.5	50x0.25	0.7	0.8	0.21	1.2	14.8	470
7x2.5	50x0.25	0.7	0.8	0.21	1.2	14.8	486
8x2.5	50x0.25	0.7	1.0	0.21	1.6	19	550
10x2.5	50x0.25	0.7	1.0	0.21	1.6	19.8	710
12x2.5	50x0.25	0.7	1.0	0.21	1.8	20.5	780
14x2.5	50x0.25	0.7	1.0	0.21	1.8	21.5	870
16x2.5	50x0.25	0.7	1.2	0.21	2.0	23.2	985
20x2.5	50x0.25	0.7	1.2	0.26	2.1	26.4	1130
24x2.5	50x0.25	0.7	1.4	0.26	2.1	28.5	1430
27x2.5	50x0.25	0.7	1.4	0.26	2.1	29	1570
30x2.5	50x0.25	0.7	1.4	0.26	2.2	30	1700
34x2.5	50x0.25	0.7	1.4	0.26	2.4	32.5	1950
37x2.5	50x0.25	0.7	1.4	0.26	2.4	32.5	2010
40x2.5	50x0.25	0.7	1.6	0.31	2.7	35.3	2140
50x2.5	50x0.25	0.7	1.6	0.31	2.7	38.5	2640
61x2.5	50x0.25	0.7	1.6	0.31	2.7	40.5	3030


▶ **FLEXIBLE FLAT PVC CABLES****NYFLY, 300/500 V , 450/ 750 V**

Application : These types of cables are mainly used as trailing cable for crane installation, floor conveyor systems, shelf control unit, hoist equipment, transparent installations and as lead-in for moving machine parts.

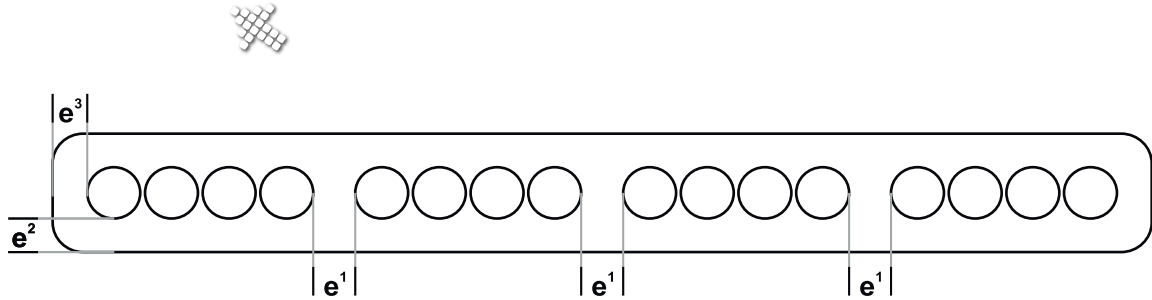
Specification : IEC 60227 , ISIRI (607) , VDE 0281

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 or 6 of IEC 60228
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour or numbered
- 4) Outer sheath : Polyvinyl chloride PVC
standard colour is black or grey, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +70°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 300/500 V up to 1.0 mm² , 450/750 V for 1.5 mm² and above
- 4) Conductor resistance : As per class 5 of IEC 60228
- 5) Test voltage : 2000 V rms for 300/500 V cables , 2500 V rms for 450/750 V cables
- 6) Flame retardant : Acc. IEC 60332-1



NYFLY , 300/500 V

300/500 V

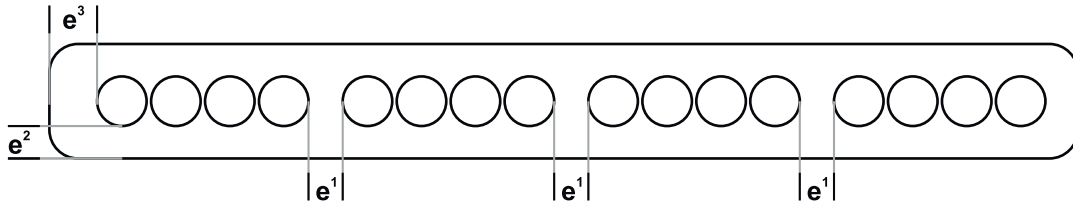
Size	No strand diameter	Insulation thickness	Distance thickness e_1	Sheath thickness $e_2 - e_3$	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x0.75	24x0.20	0.6	-	0.9 - 1.5	10.2 x 4.2	82
4x0.75	24x0.20	0.6	-	0.9 - 1.5	13.4 x 4.2	110
5x0.75	24x0.20	0.6	1	0.9 - 1.5	17 x 4.2	135
6x0.75	24x0.20	0.6	1	0.9 - 1.5	18.2 x 4.2	152
9x0.75	24x0.20	0.6	1	0.9 - 1.5	26.4 x 4.2	220
12x0.75	24x0.20	0.6	1	0.9 - 1.5	33.6 x 4.2	280
16x0.75	24x0.20	0.6	1	0.9 - 1.5	44.2 x 4.2	370
18x0.75	24x0.20	0.6	1	0.9 - 1.5	49 x 4.2	410
20x0.75	24x0.20	0.6	1	0.9 - 1.5	55 x 4.2	450
24x0.75	24x0.20	0.6	1	0.9 - 1.5	65.2 x 4.2	540

300/500 V

Size	No strand diameter	Insulation thickness	Distance thickness e_1	Sheath thickness $e_2 - e_3$	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x1	32x0.2	0.6	-	0.9 - 1.5	10.5 x 4.3	92
4x1	32x0.2	0.6	-	0.9 - 1.5	14 x 4.3	123
5x1	32x0.2	0.6	1	0.9 - 1.5	17.5 x 4.3	154
6x1	32x0.2	0.6	1	0.9 - 1.5	19 x 4.3	170
9x1	32x0.2	0.6	1	0.9 - 1.5	27.5 x 4.3	245
12x1	32x0.2	0.6	1	0.9 - 1.5	35 x 4.3	320
16x1	32x0.2	0.6	1	0.9 - 1.5	46 x 4.3	420
18x1	32x0.2	0.6	1	0.9 - 1.5	51 x 4.3	466
20x1	32x0.2	0.6	1	0.9 - 1.5	57 x 4.3	520
24x1	32x0.2	0.6	1	0.9 - 1.5	68x4.3	600

450/750 V

Size	No strand diameter	Insulation thickness	Distance thickness e_1	Sheath thickness $e_2 - e_3$	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x1.5	30x0.25	0.7	-	1 - 1.5	12 x 5	120
4x1.5	30x0.25	0.7	-	1 - 1.5	15 x 5	150
5x1.5	30x0.25	0.7	1	1 - 1.5	20 x 5	198
6x1.5	30x0.25	0.7	1	1 - 1.5	22 x 5	220
9x1.5	30x0.25	0.7	1	1 - 1.5	32 x 5	314
12x1.5	30x0.25	0.7	1	1 - 1.5	44 x 5	440
16x1.5	30x0.25	0.7	1	1 - 1.5	54 x 5	560
18x1.5	30x0.25	0.7	1	1 - 1.5	60 x 5	630
20x1.5	30x0.25	0.7	1	1 - 1.5	67 x 5	696
24x1.5	30x0.25	0.7	1	1 - 1.5	80 x 5	834



NYFLY , 450/750 V

Size	No strand x diameter	Insulation thickness	Distance thickness e_1	Sheath thickness $e_2 - e_3$	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x2.5	50x0.25	0.8	-	1 - 1.8	14.4 x 5.6	170
4x2.5	50x0.25	0.8	-	1 - 1.8	18 x 5.6	220
5x2.5	50x0.25	0.8	1.5	1 - 1.8	24.5 x 5.6	290
6x2.5	50x0.25	0.8	1.5	1 - 1.8	26.7 x 5.6	328
9x2.5	50x0.25	0.8	1.5	1 - 1.8	39.5 x 5.6	458
12x2.5	50x0.25	0.8	1.5	1 - 1.8	50 x 5.6	622
16x2.5	50x0.25	0.8	1.5	1 - 1.8	66 x 5.6	830
18x2.5	50x0.25	0.8	1.5	1 - 1.8	74 x 5.6	930
20x2.5	50x0.25	0.8	1.5	1 - 1.8	81.5 x 5.6	1022
24x2.5	50x0.25	0.8	1.5	1 - 1.8	98.8 x 5.6	1270

NYFLY , 450/750 V, 600/1000 V

Size	No strand x diameter	Insulation thickness	Distance thickness e_1	Sheath thickness $e_2 - e_3$	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x4	56x0.3	0.8	-	1.2 - 1.8	16.2 x 6.6	244
4x4	56x0.3	0.8	-	1.2 - 1.8	20 x 6.6	308
5x4	56x0.3	0.8	1.5	1.2 - 1.8	27.6 x 6.6	410
3x6	84x0.3	0.8	-	1.2 - 1.8	18 x 7.2	320
4x6	84x0.3	0.8	-	1.2 - 1.8	23 x 7.2	410
5x6	84x0.3	0.8	1.5	1.2 - 1.8	30.6 x 7.2	535
3x10	80x0.4	1.0	-	1.4 - 1.8	22.2 x 9	512
4x10	80x0.4	1.0	-	1.4 - 1.8	28.5 x 9	655
5x10	80x0.4	1.0	1.5	1.4 - 1.8	37.6 x 9	850
3x16	127x0.4	1.0	-	1.5 - 2.0	25.2 x 10.3	710
4x16	127x0.4	1.0	-	1.5 - 2.0	33.2 x 10.3	940
3x25	199 0.4	1.2	-	1.6 - 2	33 x 12.6	1110
3x35	278x0.4	1.2	-	1.6 - 2	37 x 13.8	1492
3x50	398x0.4	1.4	-	1.8 - 2.2	43.5 x 17.2	2000
3x70	357x0.5	1.4	-	1.8 - 2.2	49.6 x 19.2	2794
3x95	484x0.5	1.6	-	2.0 - 2.4	57.3 x 22	3670



FLEXIBLE POWER CABLES WITH PVC INSULATION SINGLE CORE



CU/PVC/PVC 0.6/ 1.0 kv

Application : Can be used indoor or outdoor in cable duct or tray in power and switching stations, industrial plants and commercial building. Suitable for direct burial where there is no danger of mechanical damage.

Specification : IEC 60502-1, ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228 , ISIRI 3084
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Outer sheath : Polyvinyl chloride- PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 5 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x4	56x0.3	1.0	1.4	7	84
1x6	84x0.3	1.0	1.4	7.6	108
1x10	80x0.4	1.0	1.4	9	162
1x16	127x0.4	1.0	1.4	10.2	230
1x25	199x0.4	1.2	1.4	12.6	340
1x35	278x0.4	1.2	1.4	13.9	450
1x50	398x0.4	1.4	1.4	16.3	612
1x70	357x0.5	1.4	1.5	18.2	850
1x95	484x0.5	1.6	1.6	21	1110
1x120	612x0.5	1.6	1.6	23	1390
1x150	765x0.5	1.8	1.7	25.4	1720
1x185	943x0.5	2.0	1.8	28.3	2100
1x240	1224x0.5	2.2	1.9	31.8	2730
1x300	1520x0.5	2.4	2.0	35.2	3400
1x400	2030x0.5	2.6	2.2	40	4440


FLEXIBLE POWER AND CONTROL CABLE WITH PVC INSULATION MULTI CORE

CU/PVC/PVC 0.6 /1.0 kv

Application : Can be used indoor or outdoor in cable duct or tray in power and switching stations, industrial plants and commercial building. Suitable for direct burial where there is no danger of mechanical damage.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper stranded as per class 5 of IEC 60228
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . this inner covering is applicable to cables having conductor of 16 mm² and above.
- 5) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 5 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Inner covering	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x1.5	30x0.25	0.8	-	1.8	10	134
2x2.5	50x0.25	0.8	-	1.8	11	174
2x4	56x0.3	1.0	-	1.8	12	221
2x6	84x0.3	1.0	-	1.8	13.2	284
2x10	80x0.4	1.0	-	1.8	15.8	460
2x16	127x0.4	1.0	-	1.8	17.8	660
2x25	199x0.4	1.2	1.0	1.8	25.4	1150
2x35	278x0.4	1.2	1.1	1.8	28	1470
2x50	398x0.4	1.4	1.2	2.0	32.5	1990
2x70	357x0.5	1.4	1.2	2.1	37	2700

CU/PVC/PVC , 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Inner covering	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x1.5	30x0.25	0.8	-	1.8	10.5	132
3x2.5	50x0.25	0.8	-	1.8	11.5	204
3x4	56x0.3	1.0	-	1.8	12.7	270
3x6	84x0.3	1.0	-	1.8	14	360
3x10	80x0.4	1.0	-	1.8	16.8	540
3x16	127x0.4	1.0	-	1.8	19	756
3x25	199x0.4	1.2	1.0	1.8	26	1350
3x35	278x0.4	1.2	1.1	1.9	30	1790
3x50	398x0.4	1.4	1.2	2.0	35	2500
3x70	357x0.5	1.4	1.2	2.2	39.5	3240
3x95	484x0.5	1.6	1.3	2.4	45.6	4400
3x120	612x0.5	1.6	1.4	2.5	50	5400
3x150	765x0.5	1.8	1.5	2.7	55.6	6700
3x25/16	199x0.4 - 127x0.4	1.2 - 1.0	1.1	1.9	28	1520
3x35/16	278x0.4 - 127x0.4	1.2 - 1.0	1.2	2.0	31	1940
3x50/25	398x0.4 - 199x0.4	1.4 - 1.2	1.2	2.1	36.2	2700
3x70/35	357x0.5 - 278x0.4	1.4 - 1.2	1.3	2.3	41	3650
3x95/50	484x0.5 - 3 98x0.4	1.6 - 1.4	1.4	2.5	47	4800
3x120/70	612x0.5 - 357x0.5	1.6 - 1.4	1.5	2.6	52.4	6060
3x150/70	765x0.5 - 357x0.5	1.8 - 1.4	1.6	2.8	58.4	7340
4x1.5	30x0.25	0.8	-	1.8	11.3	185
4x2.5	50x0.25	0.8	-	1.8	12.4	246
4x4	56x0.3	1.0	-	1.8	13.8	325
4x6	84x0.3	1.0	-	1.8	15.2	425
4x10	80x0.4	1.0	-	1.8	18.4	670
4x16	127x0.4	1.0	-	1.8	20.8	950
4x25	199x0.4	1.2	1.1	1.9	29	1670
4x35	278x0.4	1.2	1.2	2.0	32.6	2220
4x50	398x0.4	1.4	1.3	2.2	38.4	3070
4x70	357x0.5	1.4	1.4	2.4	43.8	4130
4x95	484x0.5	1.6	1.5	2.6	50	5480
4x120	612x0.5	1.6	1.6	2.7	54.8	6860
4x150	765x0.5	1.8	1.6	2.9	61	8540
5x1.5	30x0.25	0.8	-	1.8	12.3	226
5x2.5	50x0.25	0.8	-	1.8	13.5	300
5x4	56x0.3	1.0	-	1.8	15.0	434
5x6	84x0.3	1.0	-	1.8	16.6	564
5x10	80x0.4	1.0	-	1.8	20.4	845
5x16	127x0.4	1.0	-	1.8	23.6	1190
5x25	199x0.4	1.2	1.2	1.9	32.4	2110
5x35	278x0.4	1.2	1.2	2.2	36.2	2710
5x50	398x0.4	1.4	1.4	2.4	42.6	3730



Fixed Installation Cables

Polyvinylchloride PVC insulation
450/ 750 V , 600 /1000 V

- ▶ CU (SOFT/HARD BARE COPPER)
- ▶ CU/PVC (NYA)
- ▶ CU/PVC/PVC (NYY-O-J)
- ▶ CU/PVC/PVC/CWS,CTS/PVC (NYCY , NYSY)
- ▶ CU/PVC/PVC/AWA,SWA/PVC (NYRY)
- ▶ CU/PVC/PVC/DTA/PVC (NYBY)



SOFT / HARD DRAWN BARE COPPER CONDUCTORS



- Application :** 1) Soft drawn : These conductors are used for earthing electrical system where high conductivity is requirement.
 2) Hard drawn : These conductors are used for overhead electrical transmission and distribution systems.
- Construction :** 1) Soft drawn : As per class 2 of IEC-60228
 2) Hard drawn : As per BS-125

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Soft drawn

Size	No. strand x diameter	Approx. Overall diameter	Approx. weight	Max. d.c. resistance
mm ²	N x d _{mm}	mm	Kg/km	Ω/km
1.0	7 x 0.42	1.29	9	18.1
1.5	7 x 0.52	1.59	14	12.1
2.5	7 x 0.67	2.01	22	7.41
4.0	7 x 0.85	2.55	36	4.61
6.0	7 x 1.04	3.12	53	3.08
10	7 x 1.35	4.05	90	1.83
16	7 x 1.70	5.10	144	1.15
25	7 x 2.14	6.42	226	0.727
35	7 x 2.52	7.56	314	0.524
50	19 x 1.78	8.90	426	0.387
70	19 x 2.14	10.70	616	0.268
95	19 x 2.52	12.60	854	0.193
120	37 x 2.03	14.2	1070	0.153
150	37 x 2.25	15.81	1326	0.124
185	37 x 2.52	17.61	1665	0.091
1x240	37x2.88	20.2	2160	0.0754
1x300	61x2.52	22.7	2720	0.0601



Hard drawn

Size	No. strand x diameter	Approx. Overall diameter	Approx. weight	Min. Breaking load
mm ²	N x d _m	mm	Kg/km	KN
10	7 x 1.35	4.1	90	4.02
16	7 x 1.70	5.1	144	6.37
25	7 x 2.12	6.3	218	9.72
35	7 x 2.50	7.5	309	13.78
50	19 x 1.80	9.0	439	19.39
70	19 x 2.10	10.5	597	26.39
95	19 x 2.50	12.5	84	37.40
120	19 x 2.80	14.0	1062	46.91
150	37 x 2.25	15.8	1336	58.99
185	37 x 2.50	17.5	1649	72.83





PVC INSULATED NON SHEATHED SINGLE CORE CABLES



NYA, HO5V-U, HO7V-U, HO7V-R / 300 /500 v, 450/750 v

Application : These cables are used for the purpose of lighting in residential and commercial building in surface mounted or embedded conduits. Suitable for voltage up to 1000 AC or up to 750 to earth DC when used for fixed installation inside application, switchgear and controlgear.

Specification : IEC 60227-3 , BS-6004 , VDE-0281 , ISIRI(607)01

Construction :

1) Conductor : Plain annealed copper solid as per class 1 of IEC 60228 or stranded as per class 2 of IEC 60228. HO5V-U and HO7V-U correspond to solid conductor . HO7V-R correspond to stranded conductor.

2) Insulation : Polyvinylchloride -PVC

Technical data :

1) Temperature : -25°C to +70°C

2) Working voltage : 300/500 V up to 1.0 mm² , 450/750 V for 1.5 mm² and above

3) Conductor resistance : As per class 1 or 2 of IEC 60228

4) Test voltage : 1500 VAC for 300/500 , 2500 VAC for 450/750 V

5) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Approx. Overall diameter	Approx. weight	Max. d.c. resistance
mm ²	N x d _{mm}	mm	mm	Kg/km	Ω/km
0.5	1x0.8	0.6	2.1	9	36
0.75	1x0.98	0.6	2.2	11	24.5
1.0	1x1.13	0.6	2.4	14	18.1
1.5	1x1.38	0.7	2.9	21	12.1
1.5	7x0.53	0.7	3.1	22	12.1
2.5	1x1.78	0.8	3.5	33	7.41
2.5	7x0.67	0.8	3.7	34	7.41
4.0	1x2.25	0.8	3.9	48	4.61
4.0	7x0.85	0.8	4.2	51	4.61
6.0	1x2.76	0.8	4.4	67	3.08
6.0	7x1.04	0.8	4.8	71	3.08
10	7x1.35	1.0	6.2	119	1.83
16	7x1.7	1.0	7.2	179	1.15
25	7x2.14	1.2	8.9	280	0.727
35	7x2.52	1.2	10.1	375	0.524
50	19x1.78	1.4	11.8	506	0.387
70	19x2.14	1.4	13.6	714	0.268
95	19x2.52	1.6	16.0	980	0.193
120	37x2.03	1.6	17.6	1225	0.153
150	37x2.25	1.8	19.5	1505	0.124
185	37x2.52	2.0	21.8	1890	0.0991
240	37x2.88	2.2	24.7	2410	0.0754
300	61x2.52	2.4	27.6	3014	0.0601

▶ PVC INSULATED PVC SHEATHED SINGLE CORE CABLES



NYY, 0.6 / 1.0 kv

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching station, industrial plant and commercial buildings. Suitable for direct burial where there is no danger of mechanical damage. Specification : IEC 60502-1 , BS-6346 , VDE-0271 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper solid as per class 1 or stranded as per class2 of IEC 60228
- 2) Insulation : Polyvinyl chloride- PVC
- 3) Core identification : colour
- 4) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x4 re	1x2.26	1.0	1.4	7.1	82
1x4 m	7x0.85	1.0	1.4	7.4	86
1x6 re	1x2.78	1.0	1.4	7.6	110
1x6 m	7x1.04	1.0	1.4	7.9	116
1x10 re	1x3.57	1.0	1.4	8.4	152
1x10 m	7x1.35	1.0	1.4	8.9	160
1x16 m	7x1.70	1.0	1.4	9.9	226
1x25 m	7x2.14	1.2	1.4	11.6	333
1x35 m	7x2.52	1.2	1.4	12.8	436
1x50 m	19x1.78	1.4	1.4	14.5	570
1x70 m	19x2.17	1.4	1.4	16.7	780
1x95 m	19x2.52	1.6	1.5	18.9	1080
1x120 m	37x2.03	1.6	1.5	20.6	1330
1x150 m	37x2.25	1.8	1.6	22.8	1620
1x185 m	37x2.52	2.0	1.7	25.2	2070
1x240 m	37x2.88	2.2	1.8	28.5	2640
1x300 m	61x2.52	2.4	1.9	31.5	3240
1x400 m	61x2.85	2.6	2.0	35.1	4170
1x500 m	61x3.20	2.8	2.1	38.8	5210



PVC INSULATED PVC SHEATHED MULTI CORE CABLES



NYY-O-J, 0.6 / 1.0 kv

Application : These cables can be used inside , in cable trench or duct and out door, in power stations, industrial plants and in switch gears if mechanical is not required, or in applications where the cable is not exposed to mechanical damaged.

Specification : IEC 60502-1 , BS-6346 , VDE-0271 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228 ,VDE 0295, ISIRI 3084
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Outer sheath : Polyvinyl chloride –PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x1.5 re	1x1.38	0.8	1.8	11.4	190
2x1.5 rm	7x0.53	0.8	1.8	12.0	196
2x2.5 re	1x1.78	0.8	1.8	12.4	230
2x2.5 rm	7x0.67	0.8	1.8	12.8	240
2x4 re	1x2.26	1.0	1.8	13.8	284
2x4 rm	7x0.85	1.0	1.8	14.6	300
2x6 re	1x2.78	1.0	1.8	14.8	380
2x6 rm	7x1.04	1.0	1.8	15.6	396
2x10 re	1x3.57	1.0	1.8	16.4	500
2x10 rm	7x1.35	1.0	1.8	17.5	520
2x16 rm	7x1.70	1.0	1.8	19.8	710
2x25 rm	7x2.14	1.2	1.8	23.2	1020
2x35 rm	7x2.52	1.2	1.8	25.2	1300
2x50 rm	19x1.78	1.4	1.8	29.0	1720
2x70 rm	19x2.17	1.4	1.9	33.6	2380



NYO-J, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d	mm	mm	mm	Kg/km
3x1.5 re	1x1.38	0.8	1.8	12.0	215
3x1.5 rm	7x0.53	0.8	1.8	12.4	220
3x2.5 re	1x1.78	0.8	1.8	13.0	265
3x2.5 rm	7x0.67	0.8	1.8	13.4	275
3x4 re	1x2.26	1.0	1.8	14.5	350
3x4 rm	7x0.85	1.0	1.8	15.4	370
3x6 re	1x2.78	1.0	1.8	15.6	440
3x6 rm	7x1.04	1.0	1.8	16.6	460
3x10 re	1x3.57	1.0	1.8	17.4	610
3x10 rm	7x1.35	1.0	1.8	18.6	630
3x16 rm	7x1.70	1.0	1.8	21	870
3x25 rm	7x2.14	1.2	1.8	24.6	1260
3x35 rm	7x2.52	1.2	1.8	27	1620
3x50 sm	19x1.83	1.4	1.8	26.8	1690
3x70 sm	19x2.22	1.4	1.9	30.2	2380
3x95 sm	19x2.57	1.6	2.0	33.8	3290
3x120 sm	37x2.08	1.6	2.1	36.5	3920
3x150 sm	37x2.30	1.8	2.2	40.5	4800
3x185 sm	37x2.57	2.0	2.4	46	6000
3x240 sm	37x2.93	2.2	2.6	52	7870
3x300 sm	61x2.57	2.4	2.7	59	9700
3x400 sm	61x2.90	2.6	3.0	65	12410

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x25/16 rm	7x2.14 - 7x1.70	1.2 - 1.0	1.8	26.2	1470
3x35/16 rm	7x2.52 - 7x1.70	1.2 - 1.0	1.8	28	1800
3x50/25 sm	19x1.83 - 7x2.14	1.4 - 1.2	1.8	27.3	1970
3x70/35 sm	19x2.22 - 7x2.52	1.4 - 1.2	1.9	31.0	2750
3x95/50 sm	19x2.57 - 19x1.83	1.6 - 1.4	2.1	34.7	3640
3x120/70 sm	37x2.08 - 19x2.22	1.6 - 1.4	2.2	38.2	4670
3x150/70 sm	37x2.30 - 19x2.22	1.8 - 1.4	2.3	44	5540
3x185/95 sm	37x2.57 - 19x2.57	2.0 - 1.6	2.4	47.4	6980
3x240/120 sm	37x2.93 - 37x2.08	2.2 - 1.6	2.5	53.6	9040
3x300/150 sm	61x2.57 - 37x2.30	2.4 - 1.8	2.7	60	11280
3x400/185 sm	61x2.90 - 37x2.57	2.6 - 2.0	3.0	67	14260



NYO-J, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
4x1.5 re	1x1.38	0.8	1.8	13.0	250
4x1.5 rm	7x0.53	0.8	1.8	13.4	260
4x2.5 re	1x1.78	0.8	1.8	14.0	310
4x2.5 rm	7x0.67	0.8	1.8	14.5	325
4x4 re	1x2.26	1.0	1.8	15.6	430
4x4 rm	7x0.85	1.0	1.8	16.6	448
4x6 re	1x2.78	1.0	1.8	16.8	540
4x6 rm	7x1.04	1.0	1.8	18.0	560
4x10 re	1x3.57	1.0	1.8	18.8	740
4x10 rm	7x1.35	1.0	1.8	20.3	760
4x16 rm	7x1.70	1.0	1.8	22.8	1060
4x25 rm	7x2.14	1.2	1.8	25.5	1580
4x35 rm	7x2.52	1.2	1.8	27.8	2060
4x50 sm	19x1.83	1.4	1.9	30.6	2200
4x70 sm	19x2.22	1.4	2.0	34.2	3120
4x95 sm	19x2.57	1.6	2.1	38.4	4180
4x120 sm	37x2.08	1.6	2.2	41.5	5150
4x150 sm	37x2.30	1.8	2.4	45.5	6350
4x185 sm	37x2.57	2.0	2.6	50.5	7900
4x240 sm	37x2.93	2.2	2.8	59	10300
4x300 sm	61x2.57	2.4	3.0	65	12870
4x400 sm	61x2.90	2.6	3.2	75	16320
5x1.5 re	1x1.38	0.8	1.8	13.7	280
5x1.5 rm	7x0.53	0.8	1.8	14.1	296
5x2.5 re	1x1.78	0.8	1.8	14.8	364
5x2.5 rm	7x0.67	0.8	1.8	15.3	378
5x4 re	1x2.26	1.0	1.8	17.2	492
5x4 rm	7x0.85	1.0	1.8	17.9	512
5x6 re	1x2.78	1.0	1.8	18.6	628
5x6 rm	7x1.04	1.0	1.8	19.4	644
5x10 re	1x3.57	1.0	1.8	20.7	892
5x10 rm	7x1.35	1.0	1.8	22.0	922
5x16 rm	7x1.70	1.0	1.8	24.8	1296
5x25 rm	7x2.14	1.2	1.9	29.5	1930
5x35 rm	7x2.52	1.2	2.0	33.0	2550
5x50 rm	19x1.83	1.4	2.2	38.4	3400
5x70 rm	19x2.22	1.4	2.3	44.0	4760



NYY-O-J, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
5x1.5 re	1x1.38	0.8	1.8	13.6	290
5x1.5 rm	7x0.53	0.8	1.8	14.1	295
6x1.5 re	1x1.38	0.8	1.8	14.5	335
6x1.5 rm	7x0.53	0.8	1.8	15.1	345
7x1.5 re	1x1.38	0.8	1.8	14.5	340
7x1.5 rm	7x0.53	0.8	1.8	15.1	350
10x1.5 re	1x1.38	0.8	1.8	17.8	460
10x1.5 rm	7x0.53	0.8	1.8	18.2	473
12x1.5 re	1x1.38	0.8	1.8	18.3	515
12x1.5 rm	7x0.53	0.8	1.8	18.7	530
16x1.5 re	1x1.38	0.8	1.8	19.6	635
16x1.5 rm	7x0.53	0.8	1.8	20.5	650
19x1.5 re	1x1.38	0.8	1.8	22.6	715
19x1.5 rm	7x0.53	0.8	1.8	21.5	730
20x1.5 re	1x1.38	0.8	1.8	22.4	810
20x1.5 rm	7x0.53	0.8	1.8	23.0	820
24x1.5 re	1x1.38	0.8	1.8	24.0	880
24x1.5 rm	7x0.53	0.8	1.8	24.8	900
27x1.5 re	1x1.38	0.8	1.8	24.2	960
27x1.5 rm	7x0.53	0.8	1.8	25.4	980
30x1.5 re	1x1.38	0.8	1.8	24.8	1030
30x1.5 rm	7x0.53	0.8	1.8	26.2	1050
34x1.5 re	1x1.38	0.8	1.8	26.6	1230
34x1.5 rm	7x0.53	0.8	1.9	28.0	1250
37x1.5 re	1x1.38	0.8	1.9	26.8	1270
37x1.5 rm	7x0.53	0.8	2.0	28.2	1290
48x1.5 re	1x1.38	0.8	2.0	31.5	1660
48x1.5 rm	7x0.53	0.8	2.0	32.0	1680
52x1.5 re	1x1.38	0.8	2.0	33.0	1720
52x1.5 rm	7x0.53	0.8	2.1	33.5	1740
61x1.5 re	1x1.38	0.8	2.1	34.7	1930
61x1.5 rm	7x0.53	0.8	2.1	35.4	1960



NYY-O-J, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d	mm	mm	mm	Kg/km
5x2.5 re	1x1.78	0.8	1.8	14.8	370
5x2.5 rm	7x0.67	0.8	1.8	15.2	375
6x2.5 re	1x1.78	0.8	1.8	16.0	420
6x2.5 rm	7x0.67	0.8	1.8	16.4	430
7x2.5 re	1x1.78	0.8	1.8	16.0	440
7x2.5 rm	7x0.67	0.8	1.8	16.4	450
10x2.5 re	1x1.78	0.8	1.8	19.6	610
10x2.5 rm	7x0.67	0.8	1.8	20.0	620
12x2.5 re	1x1.78	0.8	1.8	20.2	675
12x2.5 rm	7x0.67	0.8	1.8	20.6	690
16x2.5 re	1x1.78	0.8	1.8	22.0	845
16x2.5 rm	7x0.67	0.8	1.8	22.6	860
19x2.5 re	1x1.78	0.8	1.8	23.1	965
19x2.5 rm	7x0.67	0.8	1.8	23.7	980
20x2.5 re	1x1.78	0.8	1.8	25.0	1050
20x2.5 rm	7x0.67	0.8	1.8	25.6	1070
24x2.5 re	1x1.78	0.8	1.8	27.6	1240
24x2.5 rm	7x0.67	0.8	1.8	28.2	1260
27x2.5 re	1x1.78	0.8	1.8	27.6	1310
27x2.5 rm	7x0.67	0.8	1.8	28.2	1330
30x2.5 re	1x1.78	0.8	1.9	28.4	1420
30x2.5 rm	7x0.67	0.8	1.9	29.2	1440
34x2.5 re	1x1.78	0.8	2.0	30.6	1710
34x2.5 rm	7x0.67	0.8	2.0	31.4	1730
37x2.5 re	1x1.78	0.8	2.0	30.6	1760
37x2.5 rm	7x0.67	0.8	2.1	31.6	1780
48x2.5 re	1x1.78	0.8	2.1	35.2	2250
48x2.5 rm	7x0.67	0.8	2.1	36.4	2280
52x2.5 re	1x1.78	0.8	2.1	36.0	2380
52x2.5 rm	7x0.67	0.8	2.2	37.5	2410
61x2.5 re	1x1.78	0.8	2.2	37.2	2730
61x2.5 rm	7x0.67	0.8	2.2	39.4	2760

PVC INSULATED PVC SHEATHED SINGLE AND MULTI CORE SCREENED CABLES



NYCY- NYCWY- NYSY, 0.6/ 1.0 kv

Application : These cables can be used indoor or outdoor in cable duct, cable trays, conduit or underground location under mechanical stress in power and switching station, local distribution systems, industrial plants and commercial building.

Specification : IEC 60502-1 , VDE 0271 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228 , ISIRI 3084
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Screen : Concentric plain annealed copper wire applied helically over cable core , tape with open helix of copper band
- 6) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x1.5/1.5 re	1x1.38	0.8	1.8	7.2	88
1x1.5/1.5 rm	7x0.53	0.8	1.8	7.4	92
1x2.5/2.5 re	1x1.78	0.8	1.8	8.2	115
1x2.5/2.5 rm	7x0.67	0.8	1.8	8.4	118
1x4/4 re	1x2.26	1.0	1.8	9.0	152
1x4/4 rm	7x0.85	1.0	1.8	9.2	156
1x6/6 re	1x2.78	1.0	1.8	10.0	200
1x6/6 rm	7x1.04	1.0	1.8	10.2	206
1x10/10 re	1x3.57	1.0	1.8	10.8	280
1x10/10 rm	7x1.35	1.0	1.8	11.2	286
1x16/16 rm	7x1.70	1.0	1.8	13.0	420
1x25/25 rm	7x2.14	1.2	1.8	14.6	625
1x35/35 rm	7x2.52	1.2	1.8	15.8	830
1x50/16 rm	19x1.78	1.4	1.81	19.6	860
1x70/16 rm	19x2.17	1.4	1.8	21.6	1100
1x95/16 rm	19x2.52	1.6	.8	24.2	1380
1x120/16 rm	37x2.03	1.6	1.8	25	1630
1x150/25 rm	37x2.25	1.8	1.8	27.3	2020
1x185/25 rm	37x2.52	2.0	1.9	29.7	2450
1x240/25 rm	37x2.88	2.2	2.1	33.2	3040
1x300/25 rm	61x2.52	2.4	2.2	37.2	3670

* NYCYRY code can be supplied on request .



NYCY , NYCWY , NYSY , 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x1.5 /1.5 re	1x1.38	0.8	1.8	11.8	205
2x1.5/1.5 rm	7x0.53	0.8	1.8	12.0	212
2x2.5/2.5 re	1x1.78	0.8	1.8	13.4	268
2x2.5/2.5 rm	7x0.67	0.8	1.8	13.6	275
2x4/4 re	1x2.26	1.0	1.8	14.6	350
2x4/4 rm	7x0.85	1.0	1.8	14.8	358
2x6/6 re	1x2.78	1.0	1.8	16.5	440
2x6/6 rm	7x1.04	1.0	1.8	17.0	448
2x10/10 rm	1x3.57	1.0	1.8	18	600
2x10/10 re	7x1.35	1.0	1.8	18.6	614
2x16/16 rm	7x1.70	1.0	1.8	21.8	890
2x25/25 rm	7x2.14	1.2	1.8	26.2	1380
2x35/35 rm	7x2.52	1.2	1.8	28.5	1770
3x1.5 /1.5 re	1x1.38	0.8	1.8	12.2	225
3x1.5/1.5 rm	7x0.53	0.8	1.8	12.6	230
3x2.5/2.5 re	1x1.78	0.8	1.8	14.0	296
3x2.5/2.5 rm	7x0.67	0.8	1.8	14.5	310
3x4/4 re	1x2.26	1.0	1.8	15.4	394
3x4/4 rm	7x0.85	1.0	1.8	16.0	415
3x6/6 re	1x2.78	1.0	1.8	17.2	500
3x6/6 rm	7x1.04	1.0	1.8	17.8	520
3x10/10 re	1x3.57	1.0	1.8	19.0	690
3x10/10 rm	7x1.35	1.0	1.8	19.6	710
3x16/16 rm	7x1.70	1.0	1.8	23.6	1090
3x25/25 rm	7x2.14	1.2	1.8	27.6	1620
3x35/35 rm	7x2.52	1.2	1.9	30.0	2080
4x1.5 /1.5 re	1x1.38	0.8	1.8	13.0	260
4x1.5/1.5 rm	7x0.53	0.8	1.8	13.4	265
4x2.5/2.5 re	1x1.78	0.8	1.8	14.8	345
4x2.5/2.5 rm	7x0.67	0.8	1.8	15.2	355
4x4/4 re	1x2.26	1.0	1.8	16.5	460
4x4/4 rm	7x0.85	1.0	1.8	17.0	475
4x6/6 re	1x2.78	1.0	1.8	18.4	590
4x6/6 rm	7x1.04	1.0	1.8	19.0	600
4x10/10 re	1x3.57	1.0	1.8	20.2	825
4x10/10 rm	7x1.35	1.0	1.8	20.8	840
4x16/16 rm	7x1.70	1.0	1.8	25.4	1310
4x25/25 rm	7x2.14	1.2	1.9	29.5	1960
4x35/35 rm	7x2.52	1.2	2.0	33.0	2595

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NYCY , NYCWY , NYSY , 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
5x1.5 /1.5 re	1x1.38	0.8	1.8	14.8	310
7x1.5/1.5 re	1x1.38	0.8	1.8	15.6	380
8x1.5/1.5 re	1x1.38	0.8	1.8	16.8	410
10x1.5/2.5 re	1x1.38	0.8	1.8	19.2	445
12x1.5/2.5 re	1x1.38	0.8	1.8	19.6	570
14x1.5/2.5 re	1x1.38	0.8	1.8	20.4	630
16x1.5/4.0 re	1x1.38	0.8	1.8	20.8	710
19x1.5/4.0 re	1x1.38	0.8	1.8	22.5	840
24x1.5/6 re	1x1.38	0.8	1.8	27.0	1060
30x1.5/6 re	1x1.38	0.8	1.8	27.2	1220
37x1.5/10 re	1x1.38	0.8	1.8	28.5	1320
40x1.5/10 re	1x1.38	0.8	2.0	30.5	1530
52x1.5/10 re	1x1.38	0.8	2.1	35.6	1880
61x1.5/10 re	1x1.38	0.8	2.2	37.8	2230
5x1.5 /1.5 rm	7x0.53	0.8	1.8	14.8	320
7x1.5/1.5 rm	7x0.53	0.8	1.8	15.6	390
8x1.5/1.5 rm	7x0.53	0.8	1.8	17.0	420
10x1.5/2.5 rm	7x0.53	0.8	1.8	19.2	455
12x1.5/2.5 rm	7x0.53	0.8	1.8	20.0	580
14x1.5/2.5 rm	7x0.53	0.8	1.8	20.5	645
16x1.5/4.0 rm	7x0.53	0.8	1.8	21.0	730
19x1.5/4.0 rm	7x0.53	0.8	1.8	22.8	850
24x1.5/6 rm	7x0.53	0.8	1.8	27.5	1070
30x1.5/6 rm	7x0.53	0.8	1.8	28.8	1232
37x1.5/10 rm	7x0.53	0.8	1.8	29.0	1335
40x1.5/10 rm	7x0.53	0.8	2.0	30.6	1544
52x1.5/10 rm	7x0.53	0.8	2.1	36.0	1892
61x1.5/10 rm	7x0.53	0.8	2.2	38.2	2246





NYCY- NYCWY- NYSY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
5x2.5 /2.5 re	1x1.78	0.8	1.8	16.2	390
7x2.5/2.5 re	1x1.78	0.8	1.8	17.0	490
8x2.5/2.5 re	1x1.78	0.8	1.8	18.4	530
10x2.5/4 re	1x1.78	0.8	1.8	20.4	670
12x2.5/4 re	1x1.78	0.8	1.8	21.0	750
14x2.5/4 re	1x1.78	0.8	1.8	22.8	880
16x2.5/6 re	1x1.78	0.8	1.8	24.2	990
19x2.5/6 re	1x1.78	0.8	1.8	25.2	1150
24x2.5/10 re	1x1.78	0.8	1.9	29.5	1180
30x2.5/10 re	1x1.78	0.8	2.0	32.0	1640
37x2.5/10 re	1x1.78	0.8	2.0	31.5	1800
40x2.5/10 re	1x1.78	0.8	2.1	33.8	2070
52x2.5/10 re	1x1.78	0.8	2.2	39.2	2630
61x2.5/10 re	1x1.78	0.8	2.3	41.2	2970
5x2.5 /2.5 rm	7x0.67	0.8	1.8	17.2	395
7x2.5/2.5 rm	7x0.67	0.8	1.8	17.6	500
8x2.5/2.5 rm	7x0.67	0.8	1.8	18.6	540
10x2.5/4 rm	7x0.67	0.8	1.8	20.6	685
12x2.5/4 rm	7x0.67	0.8	1.8	21.4	768
14x2.5/4 rm	7x0.67	0.8	1.8	23.2	894
16x2.5/6 rm	7x0.67	0.8	1.8	24.6	1010
19x2.5/6 rm	7x0.67	0.8	1.8	25.6	1170
24x2.5/10 rm	7x0.67	0.8	1.9	29.8	1195
30x2.5/10 rm	7x0.67	0.8	2.0	32.5	1654
37x2.5/10 rm	7x0.67	0.8	2.1	31.8	1820
40x2.5/10 rm	7x0.67	0.8	2.2	34.0	2085
52x2.5/10 rm	7x0.67	0.8	2.2	39.6	2646
61x2.5/10 rm	7x0.67	0.8	2.3	41.4	2985



PVC INSULATED PVC SHEATHED SINGLE AND MULTI CORE ARMoured CABLES



NYRY, 0.6 /1.0 kv

Application: These cables can be used indoors or outdoors in cable ducts, cable trays, conduits or underground locations under mechanical stress at power and switching station, local distribution systems, industrial plants and commercial buildings.

Specification: IEC 60502 - 1 , VDE 0271 , ISIRI 3569 - 1

Construction:

- 1) Conductor: Soft annealed copper as per class 1 or 2 of IEC 60228, VDE 0295 , ISIRI 3084
- 2) Insulation: Polyvinyl chloride (PVC)
- 3) Core identification: colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering: Extruded PVC compatible with the operating temperature of the conductor. In sect or cables the core covered with one or two layers of polypropylene tape.
- 5) Armour: Aluminum wire armour for single core and Galvanized steel wire armour for multi core
- 6) Outer sheath: Polyvinyl chloride (PVC). Colour can be supplied on request

Technical data:

- 1) Temperature: -25°C to +80°C
- 2) Maximum short circuit temperature: 160°C (5 seconds Max.)
- 3) Working voltage: 0.6/1.0 kv
- 4) Conductor resistance: As per class 1 or 2 of IEC 60228, VDE 0295 or ISIRI 3084
- 5) Test voltage: 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant: Acc. IEC 60332-1

* NYCYRY code can be supplied on request .

SINGLE CORE

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. Weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
1x4 re	1x2.26	1.0	0.9	1.8	12.2	210
1x4 rm	7x0.85	1.0	0.9	1.8	12.4	220
1x6 re	1x2.78	1.0	0.9	1.8	12.6	242
1x6 rm	7x1.04	1.0	0.9	1.8	13.0	250
1x10 re	1x3.57	1.0	0.9	1.8	13.4	290
1x10 rm	7x1.35	1.0	0.9	1.8	14.0	305
1x16 rm	7x1.70	1.0	0.9	1.8	14.6	380
1x25 rm	7x2.14	1.2	1.2	1.8	16.8	540
1x35 rm	7x2.52	1.2	1.2	1.8	18.1	660
1x50 rm	19x1.78	1.4	1.2	1.8	19.7	820
1x70 rm	19x2.17	1.4	1.2	1.8	21.7	1080
1x95 rm	19x2.52	1.6	1.6	1.8	24.2	1420
1x120 rm	37x2.03	1.6	1.6	1.8	25.6	1690
1x150 rm	37x2.25	1.8	1.6	1.8	27.6	2030
1x185 rm	37x2.52	2.0	1.6	1.9	30.4	2470
1x240 rm	37x2.88	2.2	2.0	2.1	34.5	3210
1x300 rm	61x2.52	2.4	2.0	2.2	37.7	3930



MULTI CORE , NYRY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x1.5 re	1x1.38	0.8	0.9	1.8	13.8	380
2x1.5 rm	7x0.53	0.8	0.9	1.8	14.2	390
2x2.5 re	1x1.78	0.8	0.9	1.8	14.8	460
2x2.5 rm	7x0.67	0.8	0.9	1.8	15.2	470
2x4 re	1x2.26	1.0	1.2	1.8	17.4	630
2x4 rm	7x0.85	1.0	1.2	1.8	17.8	640
2x6 re	1x2.78	1.0	1.2	1.8	18.4	735
2x6 rm	7x1.04	1.0	1.2	1.8	18.8	750
2x10 re	1x3.57	1.0	1.2	1.8	20.2	910
2x10 rm	7x1.35	1.0	1.2	1.8	20.6	930
2x16 rm	7x1.70	1.0	1.6	1.8	23.5	1310
2x25 rm	7x2.14	1.2	1.6	1.8	27.0	1740
2x35 rm	7x2.52	1.2	1.6	1.9	29.5	2100
2x50 rm	19x1.78	1.4	1.6	2.1	33.0	2640
2x70 rm	19x2.17	1.4	2.0	2.3	38.2	3710
3x1.5 re	1x1.38	0.8	0.9	0.8	14.4	410
3x1.5 rm	7x0.53	0.8	0.9	1.8	14.8	420
3x2.5 re	1x1.78	0.8	0.9	1.8	15.0	465
3x2.5 rm	7x0.67	0.8	0.9	1.8	15.3	480
3x4 re	1x2.26	1.0	1.2	1.8	18.0	698
3x4 rm	7x0.85	1.0	1.2	1.8	18.4	710
3x6 re	1x2.78	1.0	1.2	1.8	19.1	820
3x6 rm	7x1.04	1.0	1.2	1.8	19.5	840
3x10 re	1x3.57	1.0	1.6	1.8	20.4	1120
3x10 rm	7x1.35	1.0	1.6	1.8	22.0	1190
3x16 rm	7x1.70	1.0	1.6	1.8	24.0	1500
3x25 rm	7x2.14	1.2	1.6	1.9	28.6	2040
3x35 rm	7x2.52	1.2	1.6	2.0	30.8	2460
3x50 sm	19x1.83	1.4	1.6	2.0	34	2750
3x70 sm	19x2.22	1.4	2.0	2.2	37.5	3820
3x95 sm	19x2.57	1.6	2.0	2.3	40	4960
3x120 sm	37x2.08	1.6	2.5	2.5	45	6120
3x150 sm	37x2.30	1.8	2.5	2.6	49.5	7210
3x185 sm	37x2.57	2.0	2.5	2.7	54.5	8730
3x240 sm	37x2.93	2.2	2.5	2.9	61	10910
3x300 sm	61x2.57	2.4	2.5	3.2	67.5	13120
3x400 sm	61x2.92	2.6	3.15	3.4	76.5	17100



MULTI CORE , NYRY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. Weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x25/16 rm	7x2.14 - 7x1.70	1.2 - 1.0	1.6	1.9	29.6	2280
3x35/16 rm	7x2.52 - 7x1.70	1.2 - 1.0	1.6	2.0	32	2680
3x50/25 sm	19x1.83 - 7x2.14	1.4 - 1.2	2.0	2.0	35.2	3075
3x70/35 sm	19x2.22 - 7x2.52	1.4 - 1.2	2.0	2.1	38.5	4190
3x95/50 sm	19x2.57 - 19x1.83	1.6 - 1.4	2.0	2.3	43.0	5360
3x120/70 sm	37x2.08 - 19x2.22	1.6 - 1.4	2.0	2.4	47.0	6480
3x150/70 sm	37x2.30 - 19x2.22	1.8 - 1.4	2.5	2.7	52.0	8040
3x185/95 sm	37x2.57 - 19x2.57	2.0 - 1.6	2.5	3.0	57.8	9740
3x240/120 sm	37x2.93 - 37x2.08	2.2 - 1.6	2.5	3.2	64.0	12200
3x300/150 sm	61x2.57 - 37x2.30	2.4 - 1.8	2.5	3.5	70.0	14800
3x400/185 sm	61x2.90 - 37x2.57	2.6 - 2.0	3.15	3.7	79.4	19110

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. Weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
4x1.5 re	1x1.38	0.8	0.9	1.8	15.0	410
4x1.5 rm	7x0.53	0.8	0.9	1.8	15.5	430
4x2.5 re	1x1.78	0.8	0.9	1.8	15.8	480
4x2.5 rm	7x0.67	0.8	0.9	1.8	16.4	510
4x4 re	1x2.26	1.0	1.2	1.8	18.6	720
4x4 rm	7x0.85	1.0	1.2	1.8	19.5	790
4x6 re	1x2.78	1.0	1.2	1.8	19.8	870
4x6 rm	7x1.04	1.0	1.2	1.8	20.7	920
4x10 re	1x3.57	1.0	1.2	1.8	21.8	1050
4x10 rm	7x1.35	1.0	1.2	1.8	23.2	1200
4x16 rm	7x1.70	1.0	1.6	1.8	26.4	1770
4x25 rm	7x2.14	1.2	1.6	1.8	29.8	2380
4x35 rm	7x2.52	1.2	1.6	1.9	32.7	3250
4x50 sm	19x1.83	1.4	2.0	2.1	37.0	3315
4x70 sm	19x2.22	1.4	2.0	2.2	40.2	4590
4x95 sm	19x2.57	1.6	2.5	2.4	45.5	5860
4x120 sm	37x2.08	1.6	2.5	2.6	49.2	7050
4x150 sm	37x2.30	1.8	2.5	2.8	53.5	8950
4x185 sm	37x2.57	2.0	2.5	3.0	59.6	10760
4x240 sm	37x2.93	2.2	2.5	3.2	66.6	13580
4x300 sm	61x2.57	2.4	3.15	3.4	73.4	16450
4x400 sm	61x2.92	2.6	3.15	3.6	85.2	21350



MULTI CORE , NYRY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. Weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
5x1.5 re	1x1.38	0.8	1.2	1.8	16.4	550
7x1.5 re	1x1.38	0.8	1.2	1.8	17.6	670
8x1.5 re	1x1.38	0.8	1.2	1.8	20.0	810
10x1.5 re	1x1.38	0.8	1.2	1.8	20.2	850
12x1.5 re	1x1.38	0.8	1.6	1.8	21.6	1060
14x1.5 re	1x1.38	0.8	1.6	1.8	22.4	1130
16x1.5 re	1x1.38	0.8	1.6	1.8	23.4	1230
19x1.5 re	1x1.38	0.8	1.6	1.8	24.2	1340
24x1.5 re	1x1.38	0.8	1.6	1.9	27.4	1640
30x1.5 re	1x1.38	0.8	1.6	2.0	28.6	1810
37x1.5 re	1x1.38	0.8	1.6	2.0	30.5	2080
40x1.5 re	1x1.38	0.8	2.0	2.1	33.2	2500
52x1.5 re	1x1.38	0.8	2.0	2.2	36.2	2920
61x1.5 re	1x1.38	0.8	2.0	2.3	38.0	3170
5x1.5 rm	7x0.53	0.8	1.2	1.8	16.6	570
7x1.5 rm	7x0.53	0.8	1.2	1.8	18.0	690
8x1.5 rm	7x0.53	0.8	1.2	1.8	20.6	840
10x1.5 rm	7x0.53	0.8	1.2	1.8	21.0	880
12x1.5 rm	7x0.53	0.8	1.6	1.8	22.5	1100
14x1.5 rm	7x0.53	0.8	1.6	1.8	23.2	1170
16x1.5 rm	7x0.53	0.8	1.6	1.8	24.2	1270
19x1.5 rm	7x0.53	0.8	1.6	1.8	25.0	1380
24x1.5 rm	7x0.53	0.8	1.6	1.9	28.4	1680
30x1.5 rm	7x0.53	0.8	1.6	2.0	29.8	1850
37x1.5 rm	7x0.53	0.8	1.6	2.0	31.8	2130
40x1.5 rm	7x0.53	0.8	2.0	2.1	34.4	2560
52x1.5 rm	7x0.53	0.8	2.0	2.2	37.4	2980
61x1.5 rm	7x0.53	0.8	2.0	2.3	39.5	3240

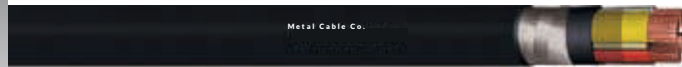


MULTI CORE , NYRY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. Weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
5x2.5 re	1x1.78	0.8	1.2	1.8	17.6	700
7x2.5 re	1x1.78	0.8	1.2	1.8	18.5	810
8x2.5 re	1x1.78	0.8	1.2	1.8	22.0	1130
10x2.5 re	1x1.78	0.8	1.6	1.8	22.4	1180
12x2.5 re	1x1.78	0.8	1.6	1.8	23.0	1270
14x2.5 re	1x1.78	0.8	1.6	1.8	24.0	1400
16x2.5 re	1x1.78	0.8	1.6	1.8	25.0	1360
19x2.5 re	1x1.78	0.8	1.6	1.8	25.2	1560
24x2.5 re	1x1.78	0.8	1.6	2.0	28.8	1910
30x2.5 re	1x1.78	0.8	1.6	2.1	31.2	2270
37x2.5 re	1x1.78	0.8	2.0	2.1	34.6	2910
40x2.5 re	1x1.78	0.8	2.0	2.2	36.6	3100
52x2.5 re	1x1.78	0.8	2.0	2.3	40.2	3760
61x2.5 re	1x1.78	0.8	2.0	2.4	42.0	4170
5x2.5 rm	7x0.67	0.8	1.2	1.8	18.4	720
7x2.5 rm	7x0.67	0.8	1.2	1.8	19.5	830
8x2.5 rm	7x0.67	0.8	1.2	1.8	23.0	1150
10x2.5 rm	7x0.67	0.8	1.6	1.8	23.4	1200
12x2.5 rm	7x0.67	0.8	1.6	1.8	24.0	1290
14x2.5 rm	7x0.67	0.8	1.6	1.8	25.2	1430
16x2.5 rm	7x0.67	0.8	1.6	1.8	26.2	1390
19x2.5 rm	7x0.67	0.8	1.6	1.8	26.4	1600
24x2.5 rm	7x0.67	0.8	1.6	2.0	30.0	1950
30x2.5 rm	7x0.67	0.8	1.6	2.1	32.7	2310
37x2.5 rm	7x0.67	0.8	2.0	2.1	35.8	2970
40x2.5 rm	7x0.67	0.8	2.0	2.2	38.0	3190
52x2.5 rm	7x0.67	0.8	2.0	2.3	41.6	3860
61x2.5 rm	7x0.67	0.8	2.0	2.4	43.8	4270



PVC INSULATED PVC SHEATHED MULTI CORE TAPE ARMoured CABLES



NYBY, 0.6/ 1.0 kv

Application : These cables can be used indoor or outdoor in cable duct, cable trays, conduit or underground location under mechanical stress in power and switching station, local distribution systems, industrial plants and commercial building.

Specification : IEC 60502-1 , VDE-0271 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Armour : Galvanized double steel tape armour
- 6) Outer sheath : Polyvinyl chloride –PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x1.5 re	1x1.38	0.8	0.2	1.8	13.0	270
2x1.5 rm	7x0.53	0.8	0.2	1.8	13.2	275
2x2.5 re	1x1.78	0.8	0.2	1.8	14.0	315
2x2.5 rm	7x0.67	0.8	0.2	1.8	14.4	320
2x4 re	1x2.26	1.0	0.2	1.8	15.5	400
2x4 rm	7x0.85	1.0	0.2	1.8	15.8	410
2x6 re	1x2.78	1.0	0.2	1.8	16.6	490
2x6 rm	7x1.04	1.0	0.2	1.8	17.0	505
2x10 re	1x3.57	1.0	0.2	1.8	18.0	610
2x10 rm	7x1.35	1.0	0.2	1.8	18.5	630
2x16 rm	7x1.70	1.0	0.2	1.8	20.5	815
2x25 rm	7x2.14	1.2	0.2	1.8	23.5	1115



NYBY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x1.5 re	1x1.38	0.8	0.2	1.8	13.5	300
3x1.5 rm	7x0.53	0.8	0.2	1.8	13.8	310
3x2.5 re	1x1.78	0.8	0.2	1.8	14.5	350
3x2.5 rm	7x0.67	0.8	0.2	1.8	14.8	360
3x4 re	1x2.26	1.0	0.2	1.8	16.0	455
3x4 rm	7x0.85	1.0	0.2	1.8	16.4	470
3x6 re	1x2.78	1.0	0.2	1.8	17.6	570
3x6 rm	7x1.04	1.0	0.2	1.8	18.0	585
3x10 re	1x3.57	1.0	0.2	1.8	19.1	735
3x10 rm	7x1.35	1.0	0.2	1.8	19.5	750
3x16 rm	7x1.70	1.0	0.2	1.8	21.5	980
3x25 rm	7x2.14	1.2	0.2	1.8	25.0	1380
3x35 rm	7x2.52	1.2	0.2	1.8	27.5	1750
3x50 sm	19x1.83	1.4	0.2	2.0	29.5	2090
3x70 sm	19x2.22	1.4	0.2	2.1	32.0	2770
3x95 sm	19x2.57	1.6	0.5	2.3	37.5	4070
3x120 sm	37x2.08	1.6	0.5	2.4	40.5	4860
3x150 sm	37x2.30	1.8	0.5	2.5	45.0	5900
3x185 sm	37x2.57	2.0	0.5	2.7	49.5	7280
3x240 sm	37x2.93	2.2	0.5	2.9	55.5	9270
3x300 sm	61x2.57	2.4	0.5	3.1	61.5	11350

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	kg/km
3x25/16 rm	7x2.14 - 7x1.70	1.2 - 1.0	0.2	1.8	26.0	1580
3x35/16 rm	7x2.52 - 7x1.70	1.2 - 1.0	0.2	1.8	28.0	1930
3x50/25 sm	19x1.83 - 7x2.14	1.4 - 1.2	0.2	2.0	33.0	2440
3x70/35 sm	19x2.22 - 7x2.52	1.4 - 1.2	0.5	2.1	37.0	3580
3x95/50 sm	19x2.57 - 19x1.83	1.6 - 1.4	0.5	2.3	42.5	4760
3x120/70 sm	37x2.08 - 19x2.22	1.6 - 1.4	0.5	2.4	46.0	5760
3x150/70 sm	37x2.30 - 19x2.22	1.8 - 1.4	0.5	2.6	51.0	6850
3x185/95 sm	37x2.57 - 19x2.57	2.0 - 1.6	0.5	2.8	55.5	8470
3x240/120 sm	37x2.93 - 37x2.08	2.2 - 1.6	0.5	3.1	63.5	10780
3x300/150 sm	61x2.57 - 37x2.30	2.4 - 1.8	0.5	3.3	69.0	13350



NYBY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
4x1.5 re	1x1.38	0.8	0.2	1.8	14.0	340
4x1.5 rm	7x0.53	0.8	0.2	1.8	14.2	345
4x2.5 re	1x1.78	0.8	0.2	1.8	15.0	405
4x2.5 rm	7x0.67	0.8	0.2	1.8	15.4	410
4x4 re	1x2.26	1.0	0.2	1.8	17.0	530
4x4 rm	7x0.85	1.0	0.2	1.8	17.4	540
4x6 re	1x2.78	1.0	0.2	1.8	19.0	695
4x6 rm	7x1.04	1.0	0.2	1.8	19.5	680
4x10 re	1x3.57	1.0	0.2	1.8	20.2	870
4x10 rm	7x1.35	1.0	0.2	1.8	21.0	890
4x16 rm	7x1.70	1.0	0.2	1.8	23.0	1180
4x25 rm	7x2.14	1.2	0.2	1.8	27.0	1700
4x35 rm	7x2.52	1.2	0.2	2.0	32.6	2340
4x50 sm	19x1.83	1.4	0.2	2.1	33.0	2710
4x70 sm	19x2.22	1.4	0.5	2.2	37.0	3940
4x95 sm	19x2.57	1.6	0.5	2.4	42.5	5270
4x120 sm	37x2.08	1.6	0.5	2.5	46.0	6330
4x150 sm	37x2.30	1.8	0.5	2.7	51.5	7700
4x185 sm	37x2.57	2.0	0.5	2.9	56.5	9495
4x240 sm	37x2.93	2.2	0.5	3.1	64.0	12150
4x300 sm	61x2.57	2.4	0.5	3.3	72.0	15050
5x1.5 re	1x1.38	0.8	0.2	1.8	14.6	360
7x1.5 re	1x1.38	0.8	0.2	1.8	15.8	430
8x1.5 re	1x1.38	0.8	0.2	1.8	18.4	535
10x1.5 re	1x1.38	0.8	0.2	1.8	18.8	570
12x1.5 re	1x1.38	0.8	0.2	1.8	19.4	630
14x1.5 re	1x1.38	0.8	0.2	1.8	20.2	680
16x1.5 re	1x1.38	0.8	0.2	1.8	21.0	750
19x1.5 re	1x1.38	0.8	0.2	1.8	21.6	850
24x1.5 re	1x1.38	0.8	0.2	1.8	25.0	1065
30x1.5 re	1x1.38	0.8	0.2	1.8	26.2	1190
37x1.5 re	1x1.38	0.8	0.2	1.8	28.4	1450
40x1.5 re	1x1.38	0.8	0.2	2.0	30.0	1560
52x1.5 re	1x1.38	0.8	0.2	2.1	32.6	1840
61x1.5 re	1x1.38	0.8	0.5	2.2	35.0	2380

NYBY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
5x1.5 rm	7x0.53	0.8	0.2	1.8	15.0	370
7x1.5 rm	7x0.53	0.8	0.2	1.8	16.4	440
8x1.5 rm	7x0.53	0.8	0.2	1.8	19.0	550
10x1.5 rm	7x0.53	0.8	0.2	1.8	19.5	584
12x1.5 rm	7x0.53	0.8	0.2	1.8	20.2	642
14x1.5 rm	7x0.53	0.8	0.2	1.8	21.0	700
16x1.5 rm	7x0.53	0.8	0.2	1.8	21.7	770
19x1.5 rm	7x0.53	0.8	0.2	1.8	22.6	870
24x1.5 rm	7x0.53	0.8	0.2	1.8	26.0	1090
30x1.5 rm	7x0.53	0.8	0.2	1.8	27.2	1220
37x1.5 rm	7x0.53	0.8	0.2	1.8	29.6	1480
40x1.5 rm	7x0.53	0.8	0.2	2.0	31.2	1590
52x1.5 rm	7x0.53	0.8	0.2	2.1	34.0	1900
61x1.5 rm	7x0.53	0.8	0.5	2.2	36.5	2450
5x2.5 re	1x1.78	0.8	0.2	1.8	16.2	440
7x2.5 re	1x1.78	0.8	0.2	1.8	17.2	540
8x2.5 re	1x1.78	0.8	0.2	1.8	19.6	665
10x2.5 re	1x1.78	0.8	0.2	1.8	20.6	715
12x2.5 re	1x1.78	0.8	0.2	1.8	21.2	800
14x2.5 re	1x1.78	0.8	0.2	1.8	22.2	900
16x2.5 re	1x1.78	0.8	0.2	1.8	24.2	980
19x2.5 re	1x1.78	0.8	0.2	1.8	24.4	1060
24x2.5 re	1x1.78	0.8	0.2	1.9	28.2	1330
30x2.5 re	1x1.78	0.8	0.2	2.0	30.0	1615
37x2.5 re	1x1.78	0.8	0.2	2.1	32.0	1915
40x2.5 re	1x1.78	0.8	0.5	2.1	34.4	2410
52x2.5 re	1x1.78	0.8	0.5	2.2	37.4	2920
61x2.5 re	1x1.78	0.8	0.5	2.3	39.2	3250
5x2.5 rm	7x0.67	0.8	0.2	1.8	16.6	450
7x2.5 rm	7x0.67	0.8	0.2	1.8	17.6	550
8x2.5 rm	7x0.67	0.8	0.2	1.8	20.2	675
10x2.5 rm	7x0.67	0.8	0.2	1.8	21.2	725
12x2.5 rm	7x0.67	0.8	0.2	1.8	21.8	810
14x2.5 rm	7x0.67	0.8	0.2	1.8	22.7	915
16x2.5 rm	7x0.67	0.8	0.2	1.8	24.8	995
19x2.5 rm	7x0.67	0.8	0.2	1.9	25.0	1080
24x2.5 rm	7x0.67	0.8	0.2	2.0	28.8	1350
30x2.5 rm	7x0.67	0.8	0.2	2.1	30.5	1640
37x2.5 rm	7x0.67	0.8	0.2	2.1	32.6	1940
40x2.5 rm	7x0.67	0.8	0.5	2.1	35.2	2440
52x2.5 rm	7x0.67	0.8	0.5	2.2	38.4	2960
61x2.5 rm	7x0.67	0.8	0.5	2.3	40.6	3320

Fixed installation Cables

Cross linked polyethylene - XLPE insulation
600/ 1000 V

- ▶ CU/XLPE/PVC (N2XY-O-J)
- ▶ CU/XLPE/PVC/CWS,CTS/PVC (N2XCY , N2XSY)
- ▶ CU/XLPE/PVC/SWA/PVC (N2XRY)
- ▶ CU/XLPE/PVC/DTA/PVC (N2XBY)

METAL CABLE





▶ XLPE INSULATED PVC SHEATHED SINGLE CORE CABLES



N2XY, 0.6/ 1.0 kv

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching stations, industrial plant and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper solid as per class 1 or stranded as per class2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour
- 4) outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Single core

Size	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x4 re	1x2.26	0.7	1.4	6.5	76
1x4 rm	7x0.85	0.7	1.4	6.8	80
1x6 re	1x2.78	0.7	1.4	7.0	98
1x6 rm	7x1.04	0.7	1.4	7.3	105
1x10 re	1x3.57	0.7	1.4	7.8	140
1x10 rm	7x1.35	0.7	1.4	8.3	145
1x16 rm	7x1.70	0.7	1.4	9.3	210
1x25 rm	7x2.14	0.9	1.4	11.0	310
1x35 rm	7x2.52	0.9	1.4	12.2	410
1x50 rm	19x1.78	1.0	1.4	13.7	530
1x70 rm	19x2.17	1.1	1.4	16.1	770
1x95 rm	19x2.52	1.1	1.5	17.8	1010
1x120 rm	37x2.03	1.2	1.5	19.8	1270
1x150 rm	37x2.25	1.4	1.6	21.8	1550
1x185 rm	37x2.52	1.6	1.6	24.2	1940
1x240 rm	37x2.88	1.7	1.7	27.4	2510
1x300 rm	61x2.52	1.8	1.8	30	3110
1x400 rm	61x2.85	2.0	1.9	33.5	3980
1x500 rm	61x3.20	2.2	2.1	37.4	5000



XLPE INSULATED PVC SHEATHED MULTI CORE CABLES



N2XY, 0.6/ 1.0 kv

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching stations, industrial plant and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper stranded(round or sector) as per class 2 of IEC 60228 , ISIRI 3084
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x1.5 re	1x1.38	0.7	1.8	11.2	150
2x1.5 rm	7x0.53	0.7	1.8	11.6	160
2x2.5 re	1x1.78	0.7	1.8	12.0	180
2x2.5 rm	7x0.67	0.7	1.8	12.4	192
2x4 re	1x2.26	0.7	1.8	12.9	262
2x4 rm	7x0.85	0.7	1.8	13.6	270
2x6 re	1x2.78	0.7	1.8	14.0	330
2x6 rm	7x1.04	0.7	1.8	14.6	340
2x10 re	1x3.57	0.7	1.8	15.5	440
2x10 rm	7x1.35	0.7	1.8	16.5	460
2x16 rm	7x1.70	0.7	1.8	18.5	650
2x25 rm	7x2.14	0.9	1.8	22	920
2x35 rm	7x2.52	0.9	1.8	24	1190
2x50 rm	19x1.78	1.0	1.8	27.4	1610
2x70 rm	19x2.17	1.1	2.1	32.6	2300



N2XY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x1.5 re	1x1.38	0.7	1.8	11.6	155
3x1.5 rm	7x0.53	0.7	1.8	12.1	170
3x2.5 re	1x1.78	0.7	1.8	12.5	200
3x2.5 rm	7x0.67	0.7	1.8	12.9	210
3x4 re	1x2.26	0.7	1.8	12.0	280
3x4 rm	7x0.85	0.7	1.8	14.2	320
3x6 re	1x2.78	0.7	1.8	14.6	390
3x6 rm	7x1.04	0.7	1.8	15.6	410
3x10 re	1x3.57	0.7	1.8	16.4	540
3x10 rm	7x1.35	0.7	1.8	17.4	560
3x16 rm	7x1.70	0.7	1.8	19.6	780
3x25 rm	7x2.14	0.9	1.8	23.4	1140
3x35 rm	7x2.52	0.9	1.8	26	1520
3x50 sm	19x1.83	1.0	1.8	25.1	1580
3x70 sm	19x2.22	1.1	1.9	28.6	2270
3x95 sm	19x2.57	1.1	2.0	31.7	3010
3x120 sm	37x2.08	1.2	2.1	35.2	3750
3x150 sm	37x2.30	1.4	2.2	39.0	4600
3x185 sm	37x2.57	1.6	2.3	43.4	5730
3x240 sm	37x2.93	1.7	2.5	49.2	7620
3x300 sm	61x2.57	1.8	2.7	55.4	9290
3x400 sm	61x2.90	2.0	2.9	62	11860

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x25/16 rm	7x2.14 - 7x1.70	0.9 - 0.7	1.8	24.2	1320
3x35/16 rm	7x2.52 - 7x1.70	0.9 - 0.7	1.8	26.2	1660
3x50/25 sm	19x1.83 - 7x2.14	1.0 - 0.9	1.8	26.2	1834
3x70/35 sm	19x2.22 - 7x2.52	1.1 - 0.9	1.9	29.4	2594
3x95/50 sm	19x2.57 - 19x1.83	1.1 - 1.0	2.0	32.5	3480
3x120/70 sm	37x2.08 - 19x2.22	1.2 - 1.1	2.1	36.2	4450
3x150/70 sm	37x2.30 - 19x2.22	1.4 - 1.1	2.3	41.0	5320
3x185/95 sm	37x2.57 - 19x2.57	1.6 - 1.1	2.5	44.6	6670
3x240/120 sm	37x2.93 - 37x2.08	1.7 - 1.2	2.6	50.4	8640
3x300/150 sm	61x2.57 - 37x2.30	1.8 - 1.4	2.8	57.4	10780
3x400/185 sm	61x2.90 - 37x2.57	2.0 - 1.6	3.0	65.2	13684



N2XY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
4x1.5 re	1x1.38	0.7	1.8	12.4	190
4x1.5 rm	7x0.53	0.7	1.8	12.9	200
4x2.5 re	1x1.78	0.7	1.8	13.3	245
4x2.5 rm	7x0.67	0.7	1.8	13.8	260
4x4 re	1x2.26	0.7	1.8	14.5	320
4x4 rm	7x0.85	0.7	1.8	15.2	370
4x6 re	1x2.78	0.7	1.8	15.7	460
4x6 rm	7x1.04	0.7	1.8	16.5	480
4x10 re	1x3.57	0.7	1.8	17.6	650
4x10 rm	7x1.35	0.7	1.8	18.8	670
4x16 rm	7x1.70	0.7	1.8	21.2	980
4x25 rm	7x2.14	0.9	1.8	25.2	1430
4x35 rm	7x2.52	0.9	1.8	28.0	1900
4x50 sm	19x1.83	1.0	1.8	28.5	2050
4x70 sm	19x2.22	1.1	2.0	31.5	2960
4x95 sm	19x2.57	1.1	2.1	35.0	3930
4x120 sm	37x2.08	1.2	2.2	39.2	4920
4x150 sm	37x2.30	1.4	2.4	43.5	6060
4x185 sm	37x2.57	1.6	2.5	48.0	7560
4x240 sm	37x2.93	1.7	2.7	55.5	9890
4x300 sm	61x2.57	1.8	2.9	61.0	12290
4x400 sm	61x2.90	2.0	3.1	70.5	15690
5x1.5 rm	7x0.53	0.7	1.8	13.8	276
5x2.5 rm	7x0.67	0.7	1.8	14.8	330
5x4 rm	7x0.85	0.7	1.8	16.4	444
5x6 rm	7x1.04	0.7	1.8	17.8	570
5x10 rm	7x1.35	0.7	1.8	20.4	826
5x16 rm	7x1.70	0.7	1.8	23.2	1160
5x25 rm	7x2.14	0.9	1.9	27.8	1740
5x35 rm	7x2.52	0.9	2.0	31.7	2350
5x50 sm	19x1.83	1.0	2.1	36.4	3100
5x70 sm	19x2.22	1.1	2.3	42.6	4460



N2XY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
5x1.5 re	1x1.38	0.7	1.8	13.2	270
5x1.5 rm	7x0.53	0.7	1.8	13.7	276
6x1.5 re	1x1.38	0.7	1.8	14.0	305
6x1.5 rm	7x0.53	0.7	1.8	14.6	310
7x1.5 re	1x1.38	0.7	1.8	14.0	305
7x1.5 rm	7x0.53	0.7	1.8	14.6	315
10x1.5 re	1x1.38	0.7	1.8	16.8	420
10x1.5 rm	7x0.53	0.7	1.8	17.6	430
12x1.5 re	1x1.38	0.7	1.8	17.2	465
12x1.5 rm	7x0.53	0.7	1.8	17.9	480
16x1.5 re	1x1.38	0.7	1.8	18.8	575
16x1.5 rm	7x0.53	0.7	1.8	19.6	590
19x1.5 re	1x1.38	0.7	1.8	19.6	620
19x1.5 rm	7x0.53	0.7	1.8	20.6	634
20x1.5 re	1x1.38	0.7	1.8	21.0	640
20x1.5 rm	7x0.53	0.7	1.8	22.1	955
24x1.5 re	1x1.38	0.7	1.8	22.4	755
24x1.5 rm	7x0.53	0.7	1.8	23.6	780
27x1.5 re	1x1.38	0.7	1.8	22.8	810
27x1.5 rm	7x0.53	0.7	1.8	24.2	840
30x1.5 re	1x1.38	0.7	1.8	23.6	900
30x1.5 rm	7x0.53	0.7	1.8	25.0	920
34x1.5 re	1x1.38	0.7	1.8	25.2	1080
34x1.5 rm	7x0.53	0.7	1.8	26.6	1110
37x1.5 re	1x1.38	0.7	1.8	25.2	1090
37x1.5 rm	7x0.53	0.7	1.8	26.6	1120
48x1.5 re	1x1.38	0.7	1.9	28.6	1420
48x1.5 rm	7x0.53	0.7	1.9	30.2	1460
52x1.5 re	1x1.38	0.7	1.9	29.5	1500
52x1.5 rm	7x0.53	0.7	2.0	31.6	1530
61x1.5 re	1x1.38	0.7	2.0	32.6	1710
61x1.5 rm	7x0.53	0.7	2.0	33.5	1740



N2XY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
5x2.5 re	1x1.78	0.7	1.8	14.2	320
5x2.5 rm	7x0.67	0.7	1.8	14.8	330
6x2.5 re	1x1.78	0.7	1.8	15.2	395
6x2.5 rm	7x0.67	0.7	1.8	15.8	405
7x2.5 re	1x1.78	0.7	1.8	15.2	400
7x2.5 rm	7x0.67	0.7	1.8	15.8	410
10x2.5 re	1x1.78	0.7	1.8	18.4	545
10x2.5 rm	7x0.67	0.7	1.8	19.2	560
12x2.5 re	1x1.78	0.7	1.8	18.9	610
12x2.5 rm	7x0.67	0.7	1.8	19.8	620
16x2.5 re	1x1.78	0.7	1.8	20.6	740
16x2.5 rm	7x0.67	0.7	1.8	21.6	755
19x2.5 re	1x1.78	0.7	1.8	21.6	850
19x2.5 rm	7x0.67	0.7	1.8	22.6	870
20x2.5 re	1x1.78	0.7	1.8	23.2	875
20x2.5 rm	7x0.67	0.7	1.8	24.4	890
24x2.5 re	1x1.78	0.7	1.8	24.8	1125
24x2.5 rm	7x0.67	0.7	1.8	26.0	1146
27x2.5 re	1x1.78	0.7	1.8	25.3	1230
27x2.5 rm	7x0.67	0.7	1.8	26.5	1260
30x2.5 re	1x1.78	0.7	1.8	26.1	1310
30x2.5 rm	7x0.67	0.7	1.8	27.5	1340
34x2.5 re	1x1.78	0.7	1.8	28.0	1390
34x2.5 rm	7x0.67	0.7	1.9	29.6	1420
37x2.5 re	1x1.78	0.7	1.8	28.0	1550
37x2.5 rm	7x0.67	0.7	1.9	29.6	1580
48x2.5 re	1x1.78	0.7	2.0	32.0	2030
48x2.5 rm	7x0.67	0.7	2.1	34.0	2070
52x2.5 re	1x1.78	0.7	2.1	33.5	2080
52x2.5 rm	7x0.67	0.7	2.1	35.2	2130
61x2.5 re	1x1.78	0.7	2.2	35.6	2400
61x2.5 rm	7x0.67	0.7	2.2	37.5	2470



▶ **XLPE INSULATED PVC SHEATHED MULTI CORE SCREENED CABLES**



N2XCY- N2XCWY- N2XSY / 0.6 /1.0 kv

Application : These cables can be used indoors or outdoors in cable ducts, cable trays, conduits or underground in power and switching station, local distribution systems, industrial plants and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Screen : Concentric Plain annealed copper wire applied helically over cable core , tape with open helix of copper band or copper tape screen.
- 6) outer sheath : Polyvinyl chloride –PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 1 or 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

* **N2XCYRY code can be supplied on request.**

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
2x1.5/1.5 rm	7x0.53	0.7	1.8	13.2	235
2x2.5/2.5 rm	7x0.67	0.7	1.8	14.2	280
2x4/4 rm	7x0.85	0.7	1.8	15.5	358
2x6/6 rm	7x1.04	0.7	1.8	16.7	445
2x10/10 rm	7x1.35	0.7	1.8	18.9	630
2x16/16 rm	7x1.70	0.7	1.8	21.3	870
2x25/25 rm	7x2.14	0.9	1.8	25.0	1275
2x35/35 rm	7x2.52	0.9	1.8	27.6	1640
3x1.5/1.5 rm	7x0.53	0.7	1.8	13.4	250
3x2.5/2.5 rm	7x0.67	0.7	1.8	14.4	314
3x4/4 rm	7x0.85	0.7	1.8	16.0	410
3x6/6 rm	7x1.04	0.7	1.8	17.2	515
3x10/10 rm	7x1.35	0.7	1.8	19.6	735
3x16/16 rm	7x1.70	0.7	1.8	22.0	1025
3x25/25 rm	7x2.14	0.9	1.8	26.1	1520
3x35/35 rm	7x2.52	0.9	1.9	29.0	1980



N2XCY- N2XCWY- N2XSY / 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	sheath thickness	Approx Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
4x1.5/1.5 rm	7x0.53	0.7	1.8	14.1	280
4x2.5/2.5 rm	7x0.67	0.7	1.8	15.2	350
4x4/4 rm	7x0.85	0.7	1.8	16.8	455
4x6/6 rm	7x1.04	0.7	1.8	15.4	485
4x10/10 rm	7x1.35	0.7	1.8	21.0	852
4x16/16 rm	7x1.70	0.7	1.8	23.6	1210
4x25/25 rm	7x2.14	0.9	1.8	28.0	1780
4x35/35 rm	7x2.52	0.9	1.9	31.0	2364
5x1.5 /1.5 rm	7x0.53	0.7	1.8	15.0	315
7x1.5/1.5 rm	7x0.53	0.7	1.8	16.0	370
10x1.5/2.5 rm	7x0.53	0.7	1.8	18.8	486
12x1.5/2.5 rm	7x0.53	0.7	1.8	19.6	550
16x1.5/4.0 rm	7x0.53	0.7	1.8	21.2	660
19x1.5/4.0 rm	7x0.53	0.7	1.8	22.2	746
24x1.5/6 rm	7x0.53	0.7	1.8	25.2	910
27x1.5/6 rm	7x0.53	0.7	1.8	26.0	980
30x1.5/6 rm	7x0.53	0.7	1.8	26.5	1045
37x1.5/10 rm	7x0.53	0.7	1.9	28.5	1230
48x1.5/10 rm	7x0.53	0.7	2.0	32.4	1540
5x2.5 /2.5 rm	7x0.67	0.7	1.8	16.2	395
7x2.5/2.5 rm	7x0.67	0.7	1.8	17.4	476
10x2.5/4 rm	7x0.67	0.7	1.8	20.6	630
12x2.5/4 rm	7x0.67	0.7	1.8	21.4	700
16x2.5/6 rm	7x0.67	0.7	1.8	23.1	850
19x2.5/6 rm	7x0.67	0.7	1.8	24.4	974
24x2.5/10 rm	7x0.67	0.7	1.8	28.0	1184
27x2.5/10 rm	7x0.67	0.7	1.9	28.6	1310
30x2.5/10 rm	7x0.67	0.7	2.0	29.4	1410
37x2.5/10 rm	7x0.67	0.7	2.1	31.6	1670
48x2.5/10 rm	7x0.67	0.7	2.2	36.0	2090



XLPE INSULATED PVC SHEATHED SINGLE AND MULTI CORE ARMoured CABLES



N2XRY, 0.6 /1.0 kv

Application : These cables can be used indoor or outdoor in cable duct, cable trays, conduit or underground location under mechanical stress in power and switching station, local distribution systems, industrial plants and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Armour : Aluminum wire armour for single core and Galvanized steel wire armour for multi core
- 6) Outer sheath : Polyvinyl chloride –PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

SINGLE CORE

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
1x4	7x0.85	0.7	0.9	1.8	11.8	280
1x6	7x1.04	0.7	0.9	1.8	12.3	316
1x10	7x1.35	0.7	0.9	1.8	13.3	386
1x16	7x1.70	0.7	0.9	1.8	14.2	360
1x25	7x2.14	0.9	0.9	1.8	16.0	480
1x35	7x2.52	0.9	1.2	1.8	17.8	630
1x50	19x1.78	1.0	1.2	1.8	18.9	770
1x70	19x2.17	1.1	1.2	1.8	21.5	1040
1x95	19x2.52	1.1	1.6	1.8	23.6	1340
1x120	37x2.03	1.2	1.6	1.8	25.8	1630
1x150	37x2.25	1.4	1.6	1.9	28.0	2000
1x185	37x2.52	1.6	1.6	2.0	30.2	2345
1x240	37x2.88	1.7	2.0	2.1	33.2	3150
1x300	61x2.52	1.8	2.0	2.2	37.0	3720
1x400	61x2.85	2.0	2.0	2.3	40.6	4710
1x500	61x3.20	2.2	2.0	2.3	41.8	5590
1x630	61x3.73	2.4	2.5	2.4	47.5	7179



MULTI CORE , N2XRY 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
2x1.5 rm	7x0.53	0.7	0.9	1.8	14.0	370
2x2.5 rm	7x0.67	0.7	0.9	1.8	14.8	510
2x4 rm	7x0.85	0.7	0.9	1.8	16.0	420
2x6 rm	7x1.04	0.7	1.2	1.8	17.5	670
2x10 rm	7x1.35	0.7	1.2	1.8	18.5	820
2x16 rm	7x1.70	0.7	1.2	1.8	20.5	1040
2x25 rm	7x2.14	0.9	1.6	1.8	24.5	1540
2x35 rm	7x2.52	0.9	1.6	1.8	28.0	1980
2x50 rm	19x1.78	1.0	1.6	1.9	31.2	2400
2x70 rm	19x2.17	1.1	2.0	2.1	36.6	3460
3x1.5 rm	7x0.53	0.7	0.9	1.8	13.7	360
3x2.5 rm	7x0.67	0.7	0.9	1.8	15.1	450
3x4 rm	7x0.85	0.7	1.2	1.8	17.0	620
3x6 rm	7x1.04	0.7	1.2	1.8	18.4	770
3x10 rm	7x1.35	0.7	1.2	1.8	20.0	940
3x16 rm	7x1.70	0.7	1.2	1.8	22.5	1220
3x25 rm	7x2.14	0.9	1.6	1.8	25.5	1820
3x35 rm	7x2.52	0.9	1.6	1.9	29.4	2330
3x50 sm	19x1.83	1.0	1.6	2.0	31.2	2540
3x70 sm	19x2.22	1.1	2.0	2.1	35.5	3630
3x95 sm	19x2.57	1.1	2.0	2.2	38.5	4490
3x120 sm	37x2.08	1.2	2.0	2.3	41.0	5350
3x150 sm	37x2.30	1.4	2.5	2.5	47.0	6840
3x185 sm	37x2.57	1.6	2.5	2.6	52.0	8220
3x240 sm	37x2.93	1.7	2.5	2.8	57.5	10260
3x300 sm	61x2.57	1.8	2.5	3.0	63.0	12370
3x400 sm	61x2.92	2.0	2.5	3.2	71.0	15390
3x25/16 rm	7x2.14 - 7x1.70	0.9 - 0.7	1.6	1.8	27.0	2030
3x35/16 rm	7x2.52 - 7x1.70	0.9 - 0.7	1.6	1.9	32.2	2740
3x50/25 sm	19x1.83 - 7x2.14	1.0 - 0.9	1.6	2.0	32.4	2820
3x70/35 sm	19x2.22 - 7x2.52	1.1 - 0.9	2.0	2.1	36.5	3930
3x95/50 sm	19x2.57 - 19x1.83	1.1 - 0.9	2.0	2.2	40.5	5000
3x120/70 sm	37x2.08 - 19x2.22	1.2 - 1.1	2.0	2.3	43.5	6110
3x150/70 sm	37x2.30 - 19x2.22	1.4 - 1.1	2.5	2.5	49.0	7570
3x185/95 sm	37x2.57 - 19x2.57	1.6 - 1.1	2.5	2.7	53.5	9220
3x240/120 sm	37x2.93 - 37x2.08	1.7 - 1.2	2.5	2.8	58.5	11470
3x300/150 sm	61x2.57 - 37x2.30	1.8 - 1.4	2.5	3.0	64.5	13930
3x400/185 sm	61x2.90 - 37x2.57	2.0 - 1.6	2.5	3.3	73.0	17320



N2XRY 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Armour wire diameter	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
4x1.5 rm	7x0.53	0.7	0.9	1.8	15.4	455
4x2.5 rm	7x0.67	0.7	0.9	1.8	16.0	516
4x4 rm	7x0.85	0.7	1.2	1.8	18.2	720
4x6 rm	7x1.04	0.7	1.2	1.8	19.6	860
4x10 rm	7x1.35	0.7	1.6	1.8	22.5	1210
4x16 rm	7x1.70	0.7	1.6	1.8	25.0	1620
4x25 rm	7x2.14	0.9	1.6	1.8	27.8	2160
4x35 rm	7x2.52	0.9	1.6	2.0	32.2	2780
4x50 sm	19x1.83	1.0	1.6	2.0	33.2	3040
4x70 sm	19x2.22	1.1	2.0	2.2	37.0	4300
4x95 sm	19x2.57	1.1	2.0	2.3	41.0	5430
4x120 sm	37x2.08	1.2	2.0	2.4	43.5	6560
4x150 sm	37x2.30	1.4	2.5	2.6	50.0	8300
4x185 sm	37x2.57	1.6	2.5	2.7	56.5	9980
4x240 sm	37x2.93	1.7	2.5	3.0	63.9	12780
4x300 sm	61x2.57	1.8	2.5	3.2	70.2	15490
4x400 sm	61x2.92	2.0	3.15	3.4	81.5	20260
5x1.5 rm	7x0.53	0.7	1.2	1.8	16.5	560
7x1.5 rm	7x0.53	0.7	1.2	1.8	17.0	620
10x1.5 rm	7x0.53	0.7	1.2	1.8	20.4	790
12x1.5 rm	7x0.53	0.7	1.2	1.8	21.0	870
14x1.5 rm	7x0.53	0.7	1.2	1.8	21.5	925
19x1.5 rm	7x0.53	0.7	1.6	1.8	24.2	1260
24x1.5 rm	7x0.53	0.7	1.6	1.8	27.2	1480
30x1.5 rm	7x0.53	0.7	1.6	1.9	28.7	1680
37x1.5 rm	7x0.53	0.7	1.6	1.9	30.5	1940
40x1.5 rm	7x0.53	0.7	1.6	2.0	32.2	2070
5x2.5 rm	7x0.67	0.7	1.2	1.8	17.8	670
7x2.5 rm	7x0.67	0.7	1.2	1.8	18.6	760
10x2.5 rm	7x0.67	0.7	1.6	1.8	23.0	1124
12x2.5 rm	7x0.67	0.7	1.6	1.8	23.8	1210
14x2.5 rm	7x0.67	0.7	1.6	1.8	24.3	1316
19x2.5 rm	7x0.67	0.7	1.6	1.8	26.4	1590
24x2.5 rm	7x0.67	0.7	1.6	1.9	30.0	1880
30x2.5 rm	7x0.67	0.7	1.6	2.0	31.8	2126
37x2.5 rm	7x0.67	0.7	2.0	2.1	34.5	2710
40x2.5 rm	7x0.67	0.7	2.0	2.2	36.2	2890



XLPE INSULATED PVC SHEATHED MULTI CORE TAPEARMOURED CABLES



N2XYBY, 0.6/ 1.0 kv

Application : These cables can be used indoor or outdoor in cable duct, cable trays, conduit or underground location under mechanical stress in power and switching station, local distribution systems, industrial plants and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain annealed copper as per class 1 or 2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour up to 4 core and black with number printing for 5 core and above.
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Armour : Galvanized steel tape armour
- 6) outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Size mm ²	No. strand x diameter N x d _{mm}	Insulation thickness mm	Tape Armour thickness mm	sheath thickness mm	Approx. Overall diameter mm	Approx. weight Kg/km
2x1.5 rm	7x0.53	0.7	0.2	1.8	12.8	260
2x2.5 rm	7x0.67	0.7	0.2	1.8	13.8	305
2x4 rm	7x0.85	0.7	0.2	1.8	14.5	360
2x6 rm	7x1.04	0.7	0.2	1.8	16.6	455
2x10 rm	7x1.35	0.7	0.2	1.8	18.0	580
2x16 rm	7x1.70	0.7	0.2	1.8	19.6	740
2x25 rm	7x2.14	0.9	0.2	1.8	23.2	1050



N2XYBY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Tape Armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x1.5 rm	7x0.53	0.7	0.2	1.8	13.4	285
3x2.5 rm	7x0.67	0.7	0.2	1.8	14.4	340
3x4 rm	7x0.85	0.7	0.2	1.8	15.4	410
3x6 rm	7x1.04	0.7	0.2	1.8	16.8	530
3x10 rm	7x1.35	0.7	0.2	1.8	18.5	690
3x16 rm	7x1.70	0.7	0.2	1.8	20.4	910
3x25 rm	7x2.14	0.9	0.2	1.8	23.8	1280
3x35 rm	7x2.52	0.9	0.2	1.8	26.4	1650
3x50 sm	19x1.83	1.0	0.2	1.9	30.0	1970
3x70 sm	19x2.22	1.1	0.2	2.0	34.0	2640
3x95 sm	19x2.57	1.1	0.5	2.2	37.0	3865
3x120 sm	37x2.08	1.2	0.5	2.3	39.4	4670
3x150 sm	37x2.30	1.4	0.5	2.4	45.1	5660
3x185 sm	37x2.57	1.6	0.5	2.6	50.0	6980
3x240 sm	37x2.93	1.7	0.5	2.8	55.6	8840
3x300 sm	61x2.57	1.8	0.5	3.0	60.5	10860

Size	No. strand x diameter	Insulation thickness	Tape Armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
3x25/16 rm	7x2.14 - 7x1.70	0.9 - 0.7	0.2	1.8	24.8	1460
3x35/16 rm	7x2.52 - 7x1.70	0.9 - 0.7	0.2	1.8	27.4	1820
3x50/25 sm	19x1.83 - 7x2.14	1.0 - 0.9	0.2	1.9	31.1	2290
3x70/35 sm	19x2.22 - 7x2.52	1.1 - 0.9	0.2	2.1	35.0	3080
3x95/50 sm	19x2.57 - 19x1.83	1.1 - 1.0	0.5	2.2	39.0	4480
3x120/70 sm	37x2.08 - 19x2.22	1.2 - 1.1	0.5	2.4	42.0	5540
3x150/70 sm	37x2.30 - 19x2.22	1.4 - 1.1	0.5	2.5	47.0	6580
3x185/95 sm	37x2.57 - 19x2.57	1.6 - 1.1	0.5	2.7	51.4	8160
3x240/120 sm	37x2.93 - 37x2.08	1.7 - 1.2	0.5	2.9	56.2	10360
3x300/150 sm	61x2.57 - 37x2.30	1.8 - 1.4	0.5	3.0	62.0	12820



N2XYBY, 0.6/1.0 kv

Size	No. strand x diameter	Insulation thickness	Tape armour thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	mm	Kg/km
4x1.5 rm	7x0.53	0.7	0.2	1.8	13.8	315
4x2.5 rm	7x0.67	0.7	0.2	1.8	14.8	380
4x4 rm	7x0.85	0.7	0.2	1.8	16.0	470
4x6 rm	7x1.04	0.7	0.2	1.8	18.5	620
4x10 rm	7x1.35	0.7	0.2	1.8	20.0	810
4x16 rm	7x1.70	0.7	0.2	1.8	22.0	1100
4x25 rm	7x2.14	0.9	0.2	1.8	26.2	1600
4x35 rm	7x2.52	0.9	0.2	1.9	31.4	2280
4x50 sm	19x1.83	1.0	0.2	2.0	32.6	2540
4x70 sm	19x2.22	1.1	0.5	2.2	36.1	3800
4x95 sm	19x2.57	1.1	0.5	2.3	40.0	4990
4x120 sm	37x2.08	1.2	0.5	2.4	41.2	6050
4x150 sm	37x2.30	1.4	0.5	2.6	48.0	7370
4x185 sm	37x2.57	1.6	0.5	2.8	54.2	9080
4x240 sm	37x2.93	1.7	0.5	3.0	61.5	11620
4x300 sm	61x2.57	1.8	0.5	3.2	67.5	14400
5x1.5 rm	7x0.53	0.7	0.2	1.8	14.8	360
7x1.5 rm	7x0.53	0.7	0.2	1.8	16.0	430
10x1.5 rm	7x0.53	0.7	0.2	1.8	19.0	560
12x1.5 rm	7x0.53	0.7	0.2	1.8	19.5	600
14x1.5 rm	7x0.53	0.7	0.2	1.8	20.0	640
16x1.5 rm	7x0.53	0.7	0.2	1.8	21.3	710
19x1.5 rm	7x0.53	0.7	0.2	1.8	21.8	780
24x1.5 rm	7x0.53	0.7	0.2	1.8	25.0	940
30x1.5 rm	7x0.53	0.7	0.2	1.8	26.0	1070
37x1.5 rm	7x0.53	0.7	0.2	1.8	28.2	1240
40x1.5 rm	7x0.53	0.7	0.2	1.9	29.2	1345
52x1.5 rm	7x0.53	0.7	0.2	2.0	32.3	1610
61x1.5 rm	7x0.53	0.7	0.2	2.1	34.5	1850
5x2.5 rm	7x0.67	0.7	0.2	1.8	15.8	440
7x2.5 rm	7x0.67	0.7	0.2	1.8	17.0	520
10x2.5 rm	7x0.67	0.7	0.2	1.8	20.6	680
12x2.5 rm	7x0.67	0.7	0.2	1.8	21.1	745
14x2.5 rm	7x0.67	0.7	0.2	1.8	22.2	820
16x2.5 rm	7x0.67	0.7	0.2	1.8	22.8	900
19x2.5 rm	7x0.67	0.7	0.2	1.8	24.0	990
24x2.5 rm	7x0.67	0.7	0.2	1.8	27.5	1220
30x2.5 rm	7x0.67	0.7	0.2	1.9	26.0	1420
37x2.5 rm	7x0.67	0.7	0.2	1.9	31.2	1650
40x2.5 rm	7x0.67	0.7	0.2	2.0	32.4	1810
52x2.5 rm	7x0.67	0.7	0.5	2.1	37.4	2570
61x2.5 rm	7x0.67	0.7	0.5	2.2	39.4	2920

Aluminium Cables

Polyvinylchloride PVC or cross linked polyethylene XLPE insulation
600/ 1000 V

- ▶ AL/PVC/PVC (NAYY)
- ▶ AL/XLPE/PVC (NA2XY)
- ▶ AL/XLPE/PVC/SWA/PVC (NA2XRY)
- ▶ AL/XLPE/PVC/DTA/PVC (NA2XBY)
- ▶ AL/XLPE (AERIAL BUNDLED CABLE - ABC CABLES)





▶ **PVC INSULATED PVC SHEATHED SINGLE CORE CABLE**

NAYY , 0.6/ 1 KV

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching station, industrial plant and commercial buildings. Suitable for direct burial where there is no danger of mechanical damage.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain aluminum stranded and compacted as per class2 of IEC 60228
- 2) Insulation : Polyvinyl chloride- PVC
- 3) Core identification : colour
- 4) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Single core

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x16 rm	7x1.70	1.0	1.4	9.9	128
1x25 rm	7x2.14	1.2	1.4	11.6	180
1x35 rm	7x2.57	1.2	1.4	12.8	224
1x50 rm	19x1.83	1.4	1.4	14.5	288
1x70 rm	19x2.22	1.4	1.4	16.7	368
1x95 rm	19x2.57	1.6	1.5	18.9	488
1x120 rm	37x2.10	1.6	1.5	20.6	582
1x150 rm	37x2.30	1.8	1.6	22.8	700
1x185 rm	37x2.57	2.0	1.7	25.2	870
1x240 rm	37x2.93	2.2	1.8	28.5	1100
1x300 rm	61x2.57	2.4	1.9	31.5	1360
1x400 rm	61x2.90	2.6	2.0	35.1	1720
1x500 rm	61x3.28	2.8	2.1	38.8	2120



▶ **PVC INSULATED PVC SHEATED MULTI CORE CABLE**
NAYY , 0.6 /1 KV

Application : These cables can be used indoors outdoors in cable duct or tray in power and switching station, industrial plant and commercial buildings. Suitable for direct burial where there is no danger of mechanical damage.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain aluminum stranded as per class2 of IEC 60228
- 2) Insulation : Polyvinyl chloride -PVC
- 3) Core identification : colour
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Outer sheath :Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +80°C
- 2) Maximum short circuit temperature : 160°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x50 sm	19x1.83	1.4	1.8	26.8	830
3x70 sm	19x2.22	1.4	1.9	30.2	1050
3x95 sm	19x2.57	1.6	2.0	33.8	1430
3x120 sm	37x2.08	1.6	2.1	36.4	1710
3x150 sm	37x2.30	1.8	2.2	40.5	2090
3x185 sm	37x2.57	2.0	2.4	45.2	2520
3x240 sm	37x2.93	2.2	2.6	52	3260
3x300 sm	61x2.57	2.4	2.7	59	4010



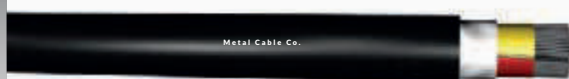
NAYY, 0.6/1.0 kv

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x25+16 rm	7x2.14 - 7x1.70	1.2 - 1.0	1.8	26.2	904
3x35+16 rm	7x2.52 - 7x1.70	1.2 - 1.0	1.8	28.5	1080
3x50/25 sm	19x1.83 - 7x2.14	1.4 - 1.2	1.8	27.6	925
3x70/35 sm	19x2.22 - 7x2.52	1.4 - 1.2	1.9	31.0	1180
3x95/50 sm	19x2.57 - 19x1.83	1.6 - 1.4	2.1	34.7	1630
3x120/70 sm	37x2.08 - 19x2.22	1.6 - 1.4	2.2	38.2	1980
3x150/70 sm	37x2.30 - 19x2.22	1.8 - 1.4	2.3	44	2360
3x185/95 sm	37x2.57 - 19x2.57	2.0 - 1.6	2.4	47.4	2890
3x240/120 sm	37x2.93 - 37x2.08	2.2 - 1.6	2.5	53.6	3722

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
4x50 sm	19x1.83	1.4	1.9	30.6	1090
4x70 sm	19x2.22	1.4	2.0	34.2	1400
4x95 sm	19x2.57	1.6	2.1	38.4	1880
4x120 sm	37x2.08	1.6	2.2	41.5	2260
4x150 sm	37x2.30	1.8	2.4	45.5	2790
4x185 sm	37x2.57	2.0	2.6	50.5	3370
4x240 sm	37x2.93	2.2	2.8	59	4350



XLPE INSULATED PVC SHEATED SINGLE CORE CABLE



NA2XY , 0.6 /1 KV

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching stations, industrial plant and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain aluminum stranded and compacted as per class 2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene XLPE
- 3) Core identification : colour
- 4) outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

Single core

SIZE	No. strand x diameter	Insulation thickness	Sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
1x16 rm	7x1.70	0.7	1.4	9.5	116
1x25 rm	7x2.14	0.9	1.4	11.2	166
1x35 rm	7x2.57	0.9	1.4	12.1	204
1x50 rm	19x1.83	1.0	1.4	13.3	256
1x70 rm	19x2.22	1.1	1.4	15.3	336
1x95 rm	19x2.57	1.1	1.5	17.2	445
1x120 rm	37x2.10	1.2	1.5	18.5	546
1x150 rm	37x2.30	1.4	1.6	20.6	670
1x185 rm	37x2.57	1.6	1.6	22.5	820
1x240 rm	37x2.93	1.7	1.8	26.2	1060
1x300 rm	61x2.57	1.8	1.9	29.2	1290
1x400 rm	61x2.90	2.0	2.0	31.4	1600
1x500 rm	61x3.28	2.2	2.1	35.6	2080



▶ XLPE INSULATED PVC SHEATED MULTI CORE CABLE NA2XY , 0.6 /1 KV

Application : These cables can be used indoors or outdoors in cable duct or tray in power and switching stations, industrial plant and commercial building.

Specification : IEC 60502-1 , ISIRI 3569-1

Construction :

- 1) Conductor : Plain aluminum stranded as per class 2 of IEC 60228
- 2) Insulation : Cross-linked polyethylene -XLPE
- 3) Core identification : colour
- 4) Inner covering : Extruded PVC compatible with the operating temperature of the conductor . In sector cables the core covered with one or two layer polypropylene tape.
- 5) Outer sheath : Polyvinyl chloride -PVC
standard colour is black, but any other colour can be supplied on request.

Technical data :

- 1) Temperature : -25°C to +90°C
- 2) Maximum short circuit temperature : 250°C (5 seconds Max.)
- 3) Working voltage : 0.6/1.0 kv
- 4) Conductor resistance : As per class 2 of IEC 60228
- 5) Test voltage : 3.5 kv rms or 8.4 kvdc for 5 minutes
- 6) Flame retardant : Acc. IEC 60332-1

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x50 sm	19x1.83	1.0	1.8	25.1	720
3x70 sm	19x2.22	1.1	1.9	28.4	950
3x95 sm	19x2.57	1.1	2.0	31.5	1220
3x120 sm	37x2.08	1.2	2.1	35.0	1510
3x150 sm	37x2.30	1.4	2.2	39.0	1860
3x185 sm	37x2.57	1.6	2.3	43.2	2320
3x240 sm	37x2.93	1.7	2.6	49.0	2950
3x300 sm	61x2.57	1.8	2.7	55.2	3660



NA2XY , 0.6/1.0 kv

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
3x25+16 rm	7x2.14 – 7x1.70	0.9 – 0.7	1.8	24.2	780
3x35+16 rm	7x2.52 – 7x1.70	0.9 – 0.7	1.8	26.2	940
3x50/25 sm	19x1.83 - 7x2.14	1.0 - 0.9	1.8	26.2	860
3x70/35 sm	19x2.22 - 7x2.52	1.1 - 0.9	1.9	29.4	1160
3x95/50 sm	19x2.57 - 19x1.83	1.1 - 1.0	2.1	32.5	1520
3x120/70 sm	37x2.08 - 19x2.22	1.2 - 1.1	2.2	36.2	1910
3x150/70 sm	37x2.30 - 19x2.22	1.4 - 1.1	2.3	41.2	2280
3x185/95 sm	37x2.57 - 19x2.57	1.6 - 1.1	2.5	44.4	2840
3x240/120 sm	37x2.93 - 37x2.08	1.7 - 1.2	2.7	51.2	3520

SIZE	No. strand x diameter	Insulation thickness	sheath thickness	Approx. Overall diameter	Approx. weight
mm ²	N x d _{mm}	mm	mm	mm	Kg/km
4x50 sm	19x1.83	1.0	1.8	28.2	940
4x70 sm	19x2.22	1.1	2.0	31.5	1250
4x95 sm	19x2.57	1.1	2.1	35.0	1640
4x120 sm	37x2.08	1.2	2.2	39.0	2050
4x150 sm	37x2.30	1.4	2.4	43.4	2500
4x185 sm	37x2.57	1.6	2.5	48	3130
4x240 sm	37x2.93	1.7	2.7	55.4	4010