SAKCABLE



ADVANCING
STANDARDS FORWARD

SINCE
1958


სპექპაზარი

CONTENT



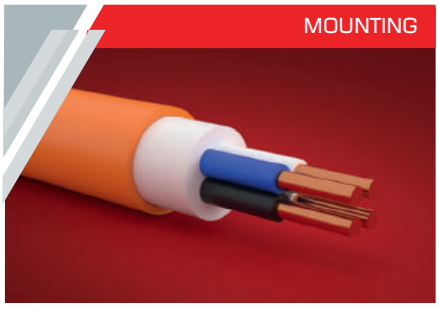
UNINSULATED

name	p.
AAC	14
ACSR	16
Standard bare cooper wire	18
Fixed standard bare cooper wire	20
Standard steel wire	22



SELF-SUPPORTING

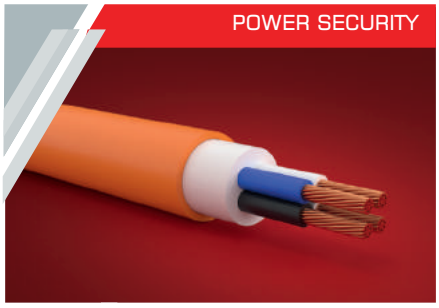
name	p.
ABC cable (AXKA)	24
ABC cable (AXKA-T)	26
ABC cable (SAX)	28
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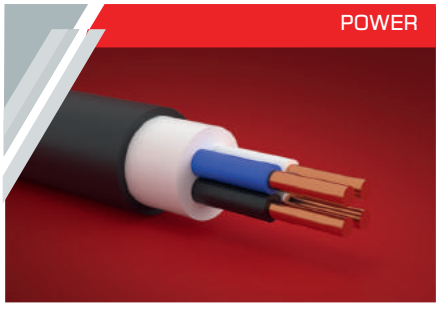
name	p.
H05V-U / H05V-R	32
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H05Z-U / H07Z1-U / H05Z1-R	36
H07Z1-K	38
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NYCY	72
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SOLAR

name	p.
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ABOUT US

Dear Friends

We present you the next edition of the catalog by JSC SAKCABLE All products presented in it are manufactured in full compliance with international standards operating on cable products.

JSC SAKCABLE was founded at 1958. From 2006 the management of the factory has been handed over to the current administration, which has been re-manufactured with new types of equipment, modern technological processes, increased product range and capacity, improved quality. Since 2014, the automated system of German production of quality and precision has been activated, which enabled us to provide accurate protection of the parameters in the process of production.

On March 14, 2015, the company was awarded ISO 9001: 2008 Standard Certificate of Conformity, the company is a completed member of Quality Fund, holds a Quality Mark, Certificate of Quality and Production Management. Products are checked in the factory laboratory before being sent to the customer. (Accredited by the Accreditation Center of the Ministry of Economy of Georgia According to the requirements by SST, ISO/IEK 17025:2010)

At 2016 with the help of the program “Produce in Georgia” the company has been re-manufactured in full re-equipment. The factory was equipped with the modern type of machinery, which allowed us to produce the products under the latest international standard, such as ecologically clean halogen free cable.

Our shops are represented in all regions of Georgia. Besides cable production, there are various types of electric goods available, including such famous brands as: Schneider Electric, General Electric; 3M; Blauberg, and etc.


SIKORA
LASER 2030 XY

CERTIFICATE

JSC SAKCABLE IS A CERTIFIED PARTNER OF FRENCH COMPANY 'SCHNEIDER ELECTRIC'



Life Is On Schneider Electric

International Operations
Middle East Africa Zone
Turkey, Iran & Central Asia Cluster

to: To whom concern **date :** 10 April 2017

from: Emrah Tekdemir

cc:

subject: JSC Sakcable

To whom concern,

Company JSC "Sakcable" is certified partner of Schneider Electric since 2013. They have upgraded their factory and equipped cable production machines with Schneider Electric modern industrial automation systems and solutions, as:

- PLC units
- Variable Speed Drives
- Controllers
- Contactors, Soft Starters
- HMI, Touch Screen Operator Panels.

Also we would like to approve that JSC "Sakcable" specialists passed Industrial Automation Systems training in Ukraine and awarded certificates.

Sincerely Yours,

Schneider Elektrik Schneider Electric Sanayi ve Ticaret A.Ş.

Emrah TEKDEMIR
Central Asia Country President

Schneider Electric
117 C. Mardanov Qardashlari Str.
Ritz Plaza AZ1022 Baku - Azerbaijan

SCHNEIDER

JSC SAKCABLE is a certified partner of French company SCHNEIDER ELECTRIC

The Company's production is equipped with SCHNEIDER ELECTRIC modern industrial automation systems and solutions.

JSC SAKCABLE employees passed internships in Schneider Electric and had received certificates in the process of industrial automation.

CERTIFICATE OF GERMAN COMPANY ‘SKET’ ON TECHNICAL COMPLIANCE



SKET
Verseilmaschinenbau GmbH

TÜV CERT DIN EN ISO 9001 Zertifikat: 06 100 3570

SKET Verseilmaschinenbau GmbH, Schönebecker Str. 82 - 84, 39104 Magdeburg

JSC “Saqcabel”
Staroselski 15
2000 Zestafoni
Georgia

Ihre Zeichen	Unsere Zeichen	Ansprechpartner	Telefon/Fax	Magdeburg,
		George Kvaratskhelia	0391 4055885 0391 4055837	120.08.2016

Sehr geehrte Damen und Herren,

hiermit bestätigen wir, dass durch die von uns im Juni 2016 vorgenommenen Änderungen in der Konstruktion und den folgenden Umbau die Maschine, Typ MKD 1+12+18x630, welche bis zu den durchgeführten Arbeiten 30 Aluminiumdrähte in zwei Lagen verseilte, zur Zeit in der Lage ist, alle Drähte auch in einer Lage zu verseilen.

Das ermöglicht die Herstellung von verschiedenen Produkten mit deutlich größerem Querschnitt und hoher Drahtanzahl (bis zu 61 Drähte).

Mit freundlichen Grüßen

SKET Verseilmaschinenbau GmbH

G. Godau
Geschäftsleiter

G. Kvaratskhelia
Vertrieb

VERSEILMASCHINENBAU GmbH SKET MAGDEBURG

www.SKETVMB.de
e-mail:info@SKETVMB.de
Geschäftsführer:
Johannes Erich Wilms
HRB-Nr. 109620
Registergericht Stendal

With reference to invoice No. please channel transfer direct to:
Unter Bezugnahme auf die Rechnungsnummer überweisen Sie direkt an:

Deutsche Bank AG
BLZ 810 700 00
Account-No. 1 453 075
SWIFT:DEUTDE8M
IBAN:
DE68 8107 0000 0145 3075 00

Commerzbank AG
BLZ:810 400 00
Account-No. 2514115
SWIFT:COBADEFF810
IBAN:
DE84 8104 0000 0251 4115 00

Hypo Vereinsbank
BLZ:200 300 00
Account-No.648307569
SWIFT:HYVEDEMM300
IBAN:
DE92 2003 0000 0648 3075 69

SKET

Specialists of the German company SKET , which is the manufacturer of cable producing machinery , carried out the technical inspection of the SKET’s machinery in JSC SAKCABLE and confirmed their technical compliance.

CERTIFICATE

ACCORDANCE WITH THE OPERATING STANDARDS



სსიპ საქართველოს
სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო

0178, თბილისი, საქართველო, ჩარგლის ქ. №67
ტელ.: (99532) 261 25 30
ფაქსი: (99532) 261 35 00
ელ-ფოსტა: info@geostm.ge

LEPL GEORGIAN
NATIONAL AGENCY OF
STANDARDS AND METROLOGY

№67 Chargali str., 0178 Tbilisi, Georgia
Tel.: (99532) 261 25 30
Fax: (99532) 261 35 00
E-mail: info@geostm.ge

11.04.2017 №192

სს - „საქკაბელი"-ს გენერალურ დირექტორს

ბ-ნ ნესტორ ლუტიძეს

ბატონო ნესტორ,

თქვენი 2017 წლის 7 აპრილის წერილიზე, გაცნობებთ, რომ წერილში მითითებული სტანდარტები: გოსტ 839-80, გოსტ 1508-78, გოსტ 3063-80, გოსტ 3241-91, გოსტ 4775-91, გოსტ 31947-2012, გოსტ 7399-97, გოსტ 31996-2012, გოსტ 26437-85, გოსტ 26445-85, გოსტ 31946-2012 და ენ 50525-2-11 დღეის მდგომარეობით მოქმედებს საქართველოდ ტერიტორიაზე.

რაც შეეხება სტანდარტს ოეკ 61089:1991 სააგენტოში რეგისტრირებული არ არის და შესაბამისად არ არის დაშვებული საქართველოს ტერიტორიაზე. აღნიშნული სტანდარტის რეგისტრაცია შესაძლებელია წერილობითი მოთხოვნის საფუძველზე.

პატივისცემით,

გენერალური დირექტორი დავით ტყემალაძე

GeoSTM

CERTIFICATE OF CONFORMITY



SGS

CERTIFICATE OF CONFORMITY

Product :	2XI1 cross-linked polyethylene insulated, HM4 thermoplastic polyolefin compound sheathed energy cables.
Tested by request of:	JSC SAKCABLE STAROSELSK STR. 1 5,ZESTAFONI, GEORGIA
Rating and principal characteristics:	0,6/1(1,2) kV
Trade mark (if any)	JSC SAKCABLE
Model/Type ref:	N2XH 5x1,5 mm² , N2XH 1x240 mm²

Additional information (if any)
A sample of the product has been tested and found to be in conformity with the current HD 604 S1/A3:2005

as shown in the test reports TR_2021981_1

This statement is the result of testing a sample of the product submitted, in accordance with the the revelant specific standard

CE

05.11.2021

S.Müge Okumuş
E&E Division Manager



ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

SAKCABLE

JSC "Sakcable"
15 Staroselski str.
2000 Zestafoni
Georgia

has established and applies
a Quality Management System for

Production and Supply of Cable Product

An audit was performed, Order No. **70791390**.
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from **2021-07-13** until **2024-07-12**.
Previous certificate valid until 2021-03-13.
Certificate Registration No.: **12 100 43010 TMS**.

Head of Certification Body
Munich, 2021-07-23

IAF DAkkS

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 57 • 80339 München • Germany
www.tuvsud.com/de-certificate-validity-check

TÜV®

ISO 4501 CERTIFICATE



ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

JSC "Sakcable"
15 Staroselski str.
2000 Zestafoni
Georgia

has established and applies
an Occupational Health and Safety Management System for

**Production and Supply of
Cable Product.**

An audit was performed, Order No. **70791390.**
Proof has been furnished that the requirements
according to

ISO 45001:2018

are fulfilled.
The certificate is valid from **2020-10-21** until **2023-10-20.**
Certificate Registration No.: **12 117 43010 TMS.**

Product Compliance Management
Munich, 2020-10-21

DAkkS Deutsche Akkreditierungsstelle D-ZM-14143-01-00

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 57 • 80339 München • Germany
www.tuev-sued.de/certificate-validity-check

TÜV®

CERTIFICATE

QUALITY CERTIFICATE



GEORGIAN ASSOCIATION QUALITY

EUROPEAN ORGANIZATION FOR QUALITY

სერტიფიკატი
CERTIFICATE

არასამეწარმეო (არაკომერციული) იურიდიული პირი "ხარისხის ნიშანი" ადასტურებს, რომ

სს " საქკაბელი "-ს

ხარისხის მენეჯმენტი და მის მიერ წარმოებული პროდუქციის ხარისხი სრულად შეესაბამება

"ხარისხის ნიშნის" პროგრამით დადგენილ უმაღლეს დონეს და აღნიშნულ კომპანიას ენიჭება უფლება

გამოიყენოს "ხარისხის ნიშანი" 2020 წლის 24 აპრილიდან 2024 წლის 24 აპრილამდე

Non-entrepreneurship (uncommercial) non-profit legal person "Quality Mark" certifies that quality management and

quality of products provided by **Sakcable JSC** corresponds to the highest level

established within the "Quality Mark" program and this company is authorized to use

the "Quality Mark" until 24 April, 2020.

№ 08/04-20

გაცემის თარიღი/DATE OF ISSUE: **24.04.2024**

გრიგოლ კუნჭულია/ GRIGOL KUNTCHULIA

აააპ ხარისხის ნიშნის დამფუძნებელი/Founder of Quality Mark

ევროპის ხარისხის ორგანიზაციის წარმომადგენელი საქართველოში/EOQ Representative in Georgia

LABORATORY ACCREDITATION CERTIFICATE



სსიპ „აკრედიტაციის ერთიანი ეროვნული ორგანო – აკრედიტაციის ცენტრი“

აკრედიტაციის მოწმობა

GAC-TL-0211

ადასტურებს, რომ

ს.ს „საქკაბელი“-ს

საგამოცდო ლაბორატორია

მდებარე: ქ.ზესტაფონი, ს.ტარასელსკის ქ.#15;

შეფასდა და აკმაყოფილებს ეროვნული სტანდარტის

სსტ ისო/იეკ 17025:2010-ის მოთხოვნებს

აკრედიტებულია შემდეგ სფეროში: 1.არაიზოლირებული სადენებისა/ან იზოლირებული სადენები საჰაერო გადაცემა ხაზებისთვის, ერთმავთა ბაგირი; 2. იზოლირებული გამტარები და სადენები: საკონტროლო ძალოვანი კაბელები აღუბინის და სპილენძის მარღვით ალუმინის იზოლაციით და გარსაცმით, სადენები პოლივინილქლორიდის იზოლაციით ელექტრული დანადგარებისთვის; სპილენძის მარღვიანი მოქნილი სადენი პოლივინილქლორიდის იზოლაციით და გარსაცმით დანიშნულების სადენი პოლივინილქლორიდის იზოლაციით და გარსაცმით: (იხ. აკრედიტაციის სფერო)

აკრედიტაციის ცენტრის
გენერალური დირექტორი

რეგისტრაციის თარიღი
30 აგვისტო 2018 წ.
ძალაშია
30 აგვისტო 2022 წ.

ბ.ა.

0186 თბილისი, ალ. ყაზბეგის გამზ. №42ა

SAKCABLE

UNINSULATED



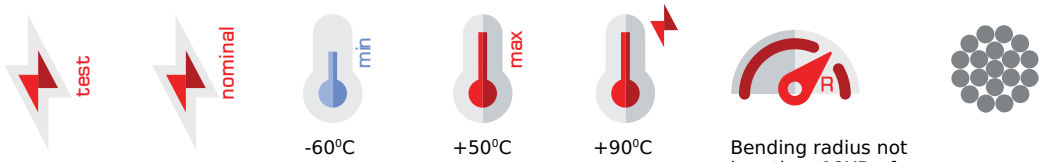
AAC

STANDARD	AAC IEC61089,SFS 5701

Uninsulated conductor stranded with aluminum wires

APPLICATION

For transmission of electric power in overhead electric networks, used in I and II type atmospheric air provided that the content of sulphur trioxide in the atmosphere is not more than150mg/m2 per day (150mg/m³) and according to standard 15150-69 in all microclimatic regions of the land.



-60°C +50°C +90°C Bending radius not less than 10XD of conductor

CONSTRUCTION

The conductor is made of aluminum wire by twisting.
In case of twisting in layers, the twisting is performed in opposite directions.

THE CONSTRUCTION LENGHT OF THE CABLE

Indicated in the table.
According with customer's request and agreement conductors with different construction length can be manufactured.

PACKING

On wooden drum or bundles

LABELING

Label attached to wooden drum or bundle

SERVICE LIFETIME

not less than 45 years.

WARRANTY PERIOD

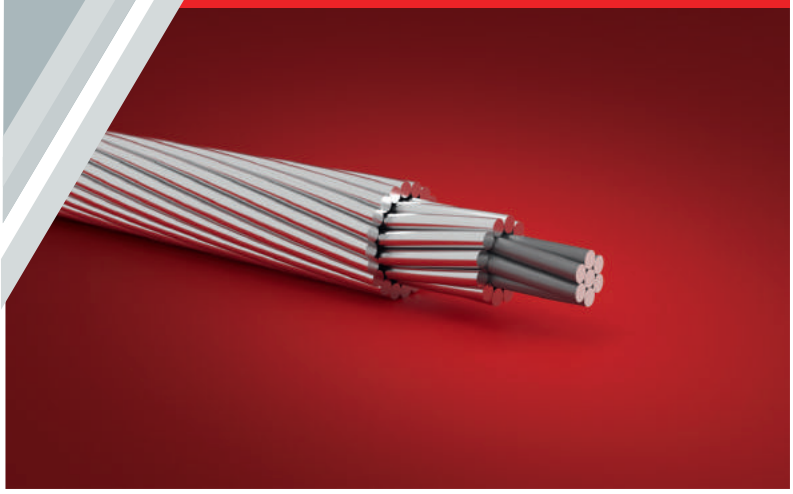
4 years after entering into exploitation, In the proper installation and working conditions

AAC IEC61089,SFS 5701

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	Bending radius [mm]	Weight [kg/km]	Construction length. No less [m]
16	18 007	105	5,10	51	44	4500
25	11 498	136	6,40	64	69	4000
35	0,8347	170	7,50	75	94	4000
50	0,5784	215	9,00	90	136	3500
70	0,4131	365	10,7	107	190	2500
95	0,3114	320	12,3	123	253	2000
120	0,2459	375	14,0	140	321	1500
150	0,1944	440	15,8	158	407	1250
185	0,1574	500	17,5	175	502	1000
240	0,1205	590	20,0	200	656	1000
300	0,1000	680	22,1	221	794	1000
400	0,0740	895	25,6	256	1072	1000
500	0,0576	980	29,10	291	1378	1000
600	0,0491	1100	31,50	315	1618	800
700	0,0417	1280	34,20	342	1902	800



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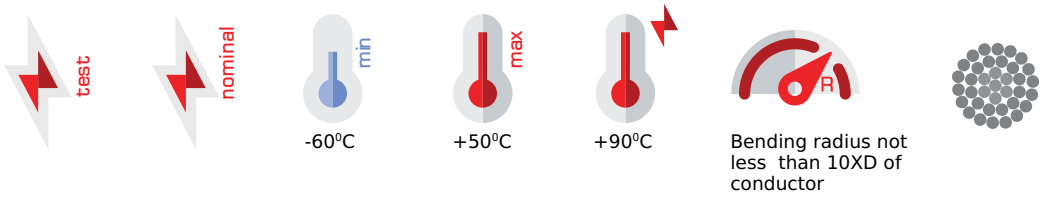
ACSR

STANDARD	IEC61089

Aluminium Conductor Steel Reinforced

APPLICATION

AS: For transmission of electric power in overhead electric networks, used in I and II type atmospheric air provided that the content of sulphur trioxide in the atmosphere is not more than150mg/m2 per day (1.5mg/m³) and in all microclimatic regions of the land.
ASKP and ASKS: Used on the seashores, in industrial regions, salty sandy regions, as well as regions adjoining them in II and III type atmospheric air provided that the content of sulphur trioxide in the atmosphere is not more than150mg/m2 per day (1.5mg/m³) and Chlorine salt not more 200 mg/m² ,in all microclimatic regions of the land.



-60°C | +50°C | +90°C | Bending radius not less than 10XD of conductor

CONSTRUCTION

The conductor is made by twisting of the steel conductor and aluminum wire. Regarding to the structure, the steel core is single-wire or twisted multi-wire. In case of twisting in layers, the twisting is performed in opposite directions.

THE CONSTRUCTION LENGHT OF THE CABLE

indicated in the table.
According to the customer's request and agreement conductors with different construction length can be manufactured.

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils).

SERVICE LIFETIME

Not less than 45 years.

WARRANTY PERIOD

4 years after entering into exploitation, In the proper installation and working conditions.

ACSR IEC 61089

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	Bending radius [mm]	Weight [kg/km]	Construction length. No less [m]
16/2.7	1,7818	111	5,55	55	64,9	3000
25/4.2	1,1521	142	6,9	69	100,3	3000
35/6.2	0,7774	175	8,4	84	148	3000
50/8.0	0,5951	210	9,6	96	195,1	3000
70/11	0,4218	265	11,4	114	276	2000
95/16	0,3007	330	13,5	135	385	1500
120/19	0,244	390	15,15	152	470,9	2000
120/27	0,2531	375	15,4	154	528	2000
150/19	0,2046	450	16,75	168	554	2000
150/24	0,2039	450	17,1	171	598,9	2000
150/34	0,2061	450	17,5	175	675	2000
185/24	0,154	520	18,9	189	704,9	2000
185/29	0,1591	510	18,82	188	727,9	2000
185/43	0,1559	515	19,6	196	846	2000
240/32	0,1182	605	21,6	216	920,9	2000
240/39	0,1222	610	21,55	216	952	2000
240/56	0,1197	610	22,4	224	1106	2000
300/39	0,0958	710	23,95	240	1132	2000
300/48	0,0978	690	24,05	240	1186	2000
300/67	0,1	680	24,5	245	1323	2000
330/43	0,0869	730	25,2	252	1255	2000
400/64	0,0741	860	27,68	277	1572	1500
400/93	0,0741	860	29,1	291	1851,1	1500
400/51	0,0722	825	27,45	275	1490,6	1500
500/64	0,0588	945	30,6	306	1852,3	1500



UNINSULATED

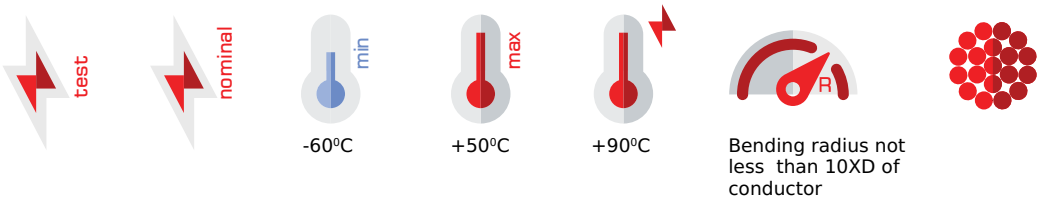


Stranded bare copper wire

Uninslated conductor stranded with copper wires.

APPLICATION

For transmission of electric power in overhead electric networks, used in I and II type atmospheric air provided on land and sea in all microclimatic regions of the land.



-60°C +50°C +90°C

Bending radius not less than 10XD of conductor

CONSTRUCTION

The conductor is made from copper wire by twisting. In case of twisting in layers, the twisting is performed in opposite directions. Half side of the outer layers is right direction.

THE CONSTRUCTION LENGHT OF THE CABLE

indicated in the table.
By request and agreement with the customer conductors with different construction length can be manufactured.

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils).

SERVICE LIFETIME

Not less than 45 years.

WARRANTY PERIOD

4 years after entering into exploitation, In the proper installation and working conditions

Stranded bare copper wire

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	Bending radius [mm]	Weight [kg/km]	Construction length. No less [m]
10	1,8197	95	3,96	40	87	900
16	1,1573	133	5,10	51	144	4000
25	0,7336	183	6,40	64	225	3000
35	0,5238	223	7,50	75	312	2500
50	0,3688	275	9,00	90	446	2000
70	0,2723	387	10,7	107	615	1500
95	0,1944	422	12,6	126	854	1200
120	0,156	485	14,0	140	1062	1000
150	0,1238	570	15,8	158	1344	800
185	0,1001	650	17,6	176	1666	800
240	0,0789	760	19,9	199	2133	800
300	0,0637	880	22,1	221	2615	800



UNINSULATED

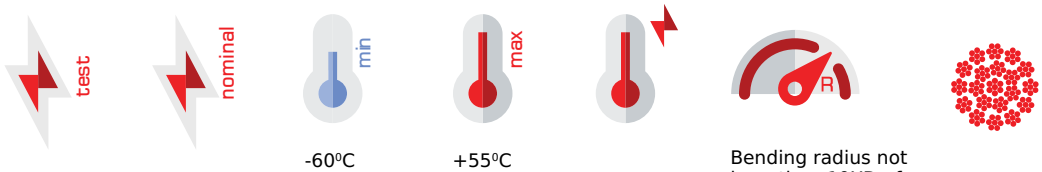


Flexible Stranded bare copper wire

Flexible uninsulated conductor stranded from copper wires.

APPLICATION

In electric equipment and devices, as well as in electric system of railway.



-60ºC +55ºC

Bending radius not less than 10XD of conductor

CONSTRUCTION

The conductor is made from copper multi-core wire by twisting, class IV flexibility according to standard standard IEC 60228-2014.
Nominal section of the conductor is 1.5-up to 150mm².

THE CONSTRUCTION LENGHT OF THE CABLE

according to the sections it is as follows:

1,5 : 6mm² inclusive 50m
10 : 25mm² inclusive 2000m
35 : 70mm² inclusive 1000m
95 : 150mm² inclusive 500m

By the request and agreement with the customer conductors with different construction length can be manufactured.

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils).

SERVICE LIFETIME

Not less than 10 years

WARRANTY PERIOD

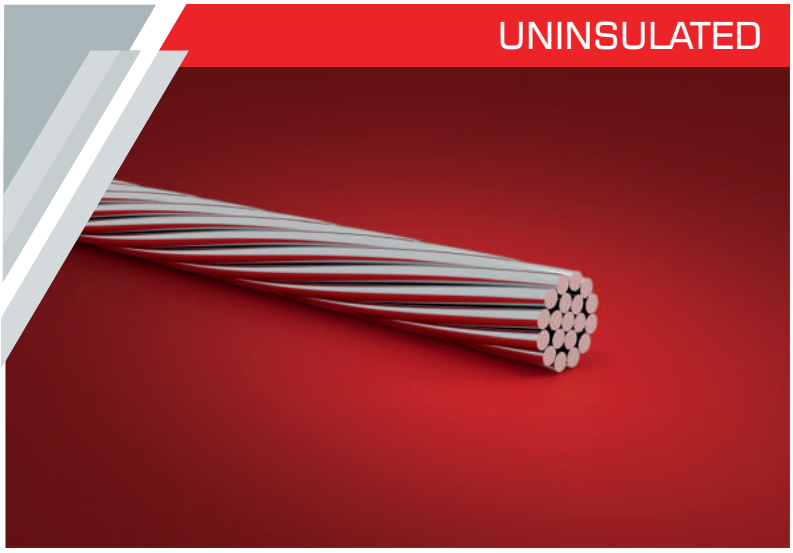
2 years after production

Flexible Stranded bare copper wire

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	Bending radius [mm]	Weight [kg/km]
10	2	80	10,06	50	88,9
16	1,21	100	12,1	61	146,56
25	0,776	140	14,18	71	228,9
35	0,547	170	16,02	80	320,5
50	0,393	215	18	90	457,8
70	0,281	270	20,7	104	641
95	0,201	330	23,8	119	869
120	0,162	385	25,9	130	1098,8



UNINSULATED



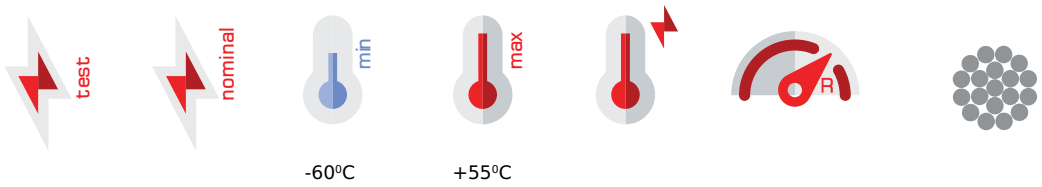
Stranded steel wire

STANDARD	GOST 3063-90

Cable (rope) stranded with steel wires.

APPLICATION

In coal mining, gas-and-oil producing industry, metallurgy, engineering, construction industry, sea and river transport. It can be used as lightning protection at high voltage lines.



CONSTRUCTION

Steel cable (rope) is made of galvanized steel wire (number of wires 19) twisted as single or in layers and is covered with anti-corrosive temperature resistant lubricant material.

THE CONSTRUCTION LENGHT OF THE CABLE

agreed with the customer.
Deviation from length is possible: up to 400m +5%, above 400m +20%.

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils).

SERVICE LIFETIME

not less than 25 years

WARRANTY PERIOD

2 years

Stranded steel wire

Part Name	Cross-Sectional area [mm]	Outer diam-eter [mm]	Tensile strength	Weight without lubricant [kg/km]
C-35	33,82	7,6	41650	270
C-40	38,46	8,1	44400	310
C-45	43,4	8,6	53550	350
C-50	48,64	9,1	59950	390
C-60	60,35	10	74450	485
C-70	72,92	11	89950	585



SELF-SUPPORTING



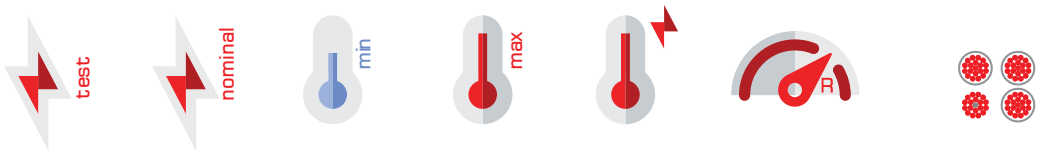
ABC Cable (AXKA)

STANDARD	DIN VDE 0276-626 s1 - 6

Self – supporting Aluminum conductor, with poly-ethylene lightproof insulation, with a bare neutral conductor for overhead lines.

APPLICATION

For supply and distribution electricity to power and lighting networks with variable voltage 0,660 / 1 kV . Used in the main overhead power line and in residential branching.



-60°C +50°C +90°C Bending radius not less than 10XD of conductor

- Installation temperature: not less than -20°C
- Per day (8 hours) +130°C
- In short circuit with 5 minutes duration +250°C

CONSTRUCTION

1. The conductor is twisted by aluminum wires and it is compacted.
2. The insulation is thermo and lightproof . It is also resistant to ultraviolet radiation and ozone effect
3. Neutral conductor is twisted with aluminum solid wires or aluminum wire with steel core and uninsulated

THE CONSTRUCTION LENGHT OF THE CABLE

agreed during receiving order from the customer

PACKING On wooden drum

LABELING

Marking of conductor cores with figures 1, 2, 3. On one of the conductor cores an inscription is made: “JSC Sakcable”, cable brand, manufacture year

SERVICE LIFETIME

not less than 40 years

WARRANTY PERIOD

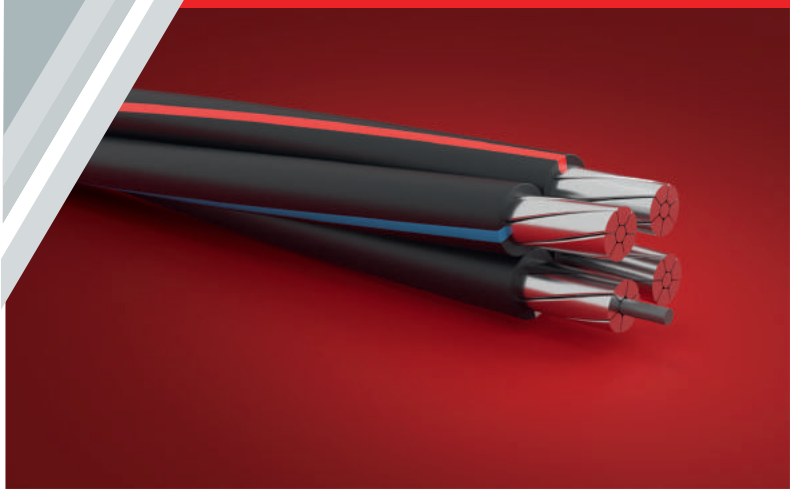
3 years after entering into exploitation, In the proper installation and working conditions (not later than within 6 months after production)

ABC Cable

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Wire dimension [mm]	Bending radius [mm]	Aluminium Weght [kg/km]	Weight [kg/km]
3 x 16 + 25	1,91/1,38	100	1,30	5,10/6,10	51/61	199	314
3 x 25 + 35	1,20/0,986	130	1,30	6,10/7,10	61/71	300	454
3 x 35 + 50	0,868/0,72	160	1,30	7,10/8,35	71/84	423	603
3 x 50 + 70	0,641/0.493	195	1,50	8,35/9,95	84/100	599	825
3 x 70 + 95	0,443/0,363	240	1,70	9,95/11,70	100/117	832	1128
3 x 95 + 95	0,320/0,363	300	1,70	11,70/11,70	117/117	1035	1390
3 x 120 + 95	0,253/0,363	340	1,70	13,10/11,70	131/117	1240	1624
3x35+1x54.6	0,868/0,63	160	1,7	7.10/ 9.60	71/96	435	620



SELF-SUPPORTING



ABC Cable (AXKA -T)

STANDARD	STANDARDDIN VDE 0276-626 s1 - 6

Self – supporting Aluminum conductor, with poly-ethylene lightproof insulation, with a bare neutral conductor for overhead lines

APPLICATION

In magisterial air lines and its derivations in the second and third type of atmospheric air, accordance with standard Gost 15150-69



4kV	0,6/1kV	-60°C	+50°C	+90°C	Bending radius not less than 10XD of conductor

- Installation temperature: not less than -20°C
- Per day (8 hours) +130°C
- In short circuit with 5 minutes duration +250°C

CONSTRUCTION

4. The conductor is twisted by aluminum wires and it is compacted.
5. The insulation is thermo and lightproof . It is also resistant to ultraviolet radiation and ozone effect
6. Neutral conductor is twisted with aluminum solid wires or aluminum wire with steel core and uninsulated

THE CONSTRUCTION LENGHT OF THE CABLE

agreed during receiving order from the customer

PACKING

On wooden drum

LABELING

Marking of conductor cores with figures 1, 2, 3. On one of the conductor cores an inscription is made: “JSC Sakcable”, cable brand, manufacture year

SERVICE LIFETIME

not less than 40 years

WARRANTY PERIOD

3 years after entering into exploitation, In the proper installation and working conditions (not later than within 6 months after production)

ABC Cable

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Wire dimension [mm]	Bending radius [mm]	Aluminium Weght [kg/km]	Weight [kg/km]
3 x 16 + 25	1,91/1,38	100	1,30	5,10/6,10	51/61	199	348
3 x 25 + 35	1,20/0,986	130	1,30	6,10/7,10	61/71	300	496
3 x 35 + 50	0,868/0,72	160	1,30	7,10/8,35	71/84	423	650
3 x 50 + 70	0,641/0.493	195	1,50	8,35/9,95	84/100	599	890
3 x 70 + 95	0,443/0,363	240	1,70	9,95/11,70	100/117	832	1214
3 x 95 + 95	0,320/0,363	300	1,70	11,70/11,70	117/117	1035	1475
3 x 120 + 95	0,253/0,363	340	1,70	13,10/11,70	131/117	1240	1708
3x35+1x54.6	0,868/0,63	160	1,70	7.10/ 9.60	71/96	435	678



SELF-SUPPORTING



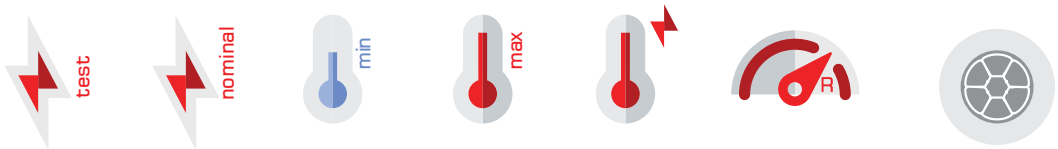
ABC Cable (SAX)

STANDARD	STANDARDDIN VDE 0276-626 s1 - 6

Aluminum compacted single core conductor, with polyethylene thermo lightproof insulation.

APPLICATION

In aerial lines with rated voltage 10/30kV in second and third type atmospheric air according to the standard 15150-69, including shores and industrial and salty sand regions.



10-15-20kV 35kV	-60°C	+50°C	+90°C	Bending radius not less than 10XD of conductor

- Installation temperature: not less than -20°C
- Per day (8 hours) +130°C
- In short circuit with 5 minutes duration +250°C

CONSTRUCTION

1. The conductor is made from aluminum wire by twisting. Compacted with a special device.
2. The insulation is thermo and lightproof . It is also resistant to ultraviolet radiation and ozone effect XLPE insulation

THE CONSTRUCTION LENGHT OF THE CABLE

agreed during receiving order from the customer

PACKING

On wooden drum

LABELING

An inscription is made on conductor core: “JSC Sakcable” cable brand, manufacture year.

SERVICE LIFETIME

not less than 40 years

WARRANTY PERIOD

3 years after entering into exploitation, In the proper installation and working conditions (not later than within 6 months after production)

ABC Cable

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Wire dimension [mm]	Bending radius [mm]	Aluminium Weght [kg/km]	Weight [kg/km]
1 x 35	0,986	200	2,3	7,1	71	95	167
1 x 50	0,72	245	2,3	8,35	84	135	210
1 x 70	0,493	310	2,3	9,95	100	189	285
1 x 95	0,363	370	2,3	11,7	117	257	364
1 x 120	0,288	430	2,3	13,1	131	324	435



SELF-SUPPORTING



ABC Cable	
STANDARD	DIN VDE 0276-626 s1 - 4F1

Aluminum compacted-core conductor, with poly-ethylene lightproof insulation for aerial lines

APPLICATION

On derivations of aerial lines and installation in walls of facilities in second and third type atmospheric air according to the standard 15150-69.



4kV	0,6/1kV	-60°C	+50°C	+90°C	Bending radius not less than 10XD of conductor

- Installation temperature: not less than -20°C
- Per day (8 hours) +130°C
- In short circuit with 5 minutes duration +250°C

CONSTRUCTION

1. The conductor is twisted by aluminum wires made from aluminum wire by twisting, Compacted.
2. The insulation is thermo and lightproof . It is also resistant to ultraviolet radiation and ozone effect

THE CONSTRUCTION LENGHT OF THE CABLE

Agreed during receiving order from the customer.

PACKING

On wooden drum

LABELING

Conductor cores are marked with figures 1, 2, 3. An inscription is made on conductor core: “JSC Sakcable” cable brand, manu-facture year

SERVICE LIFETIME

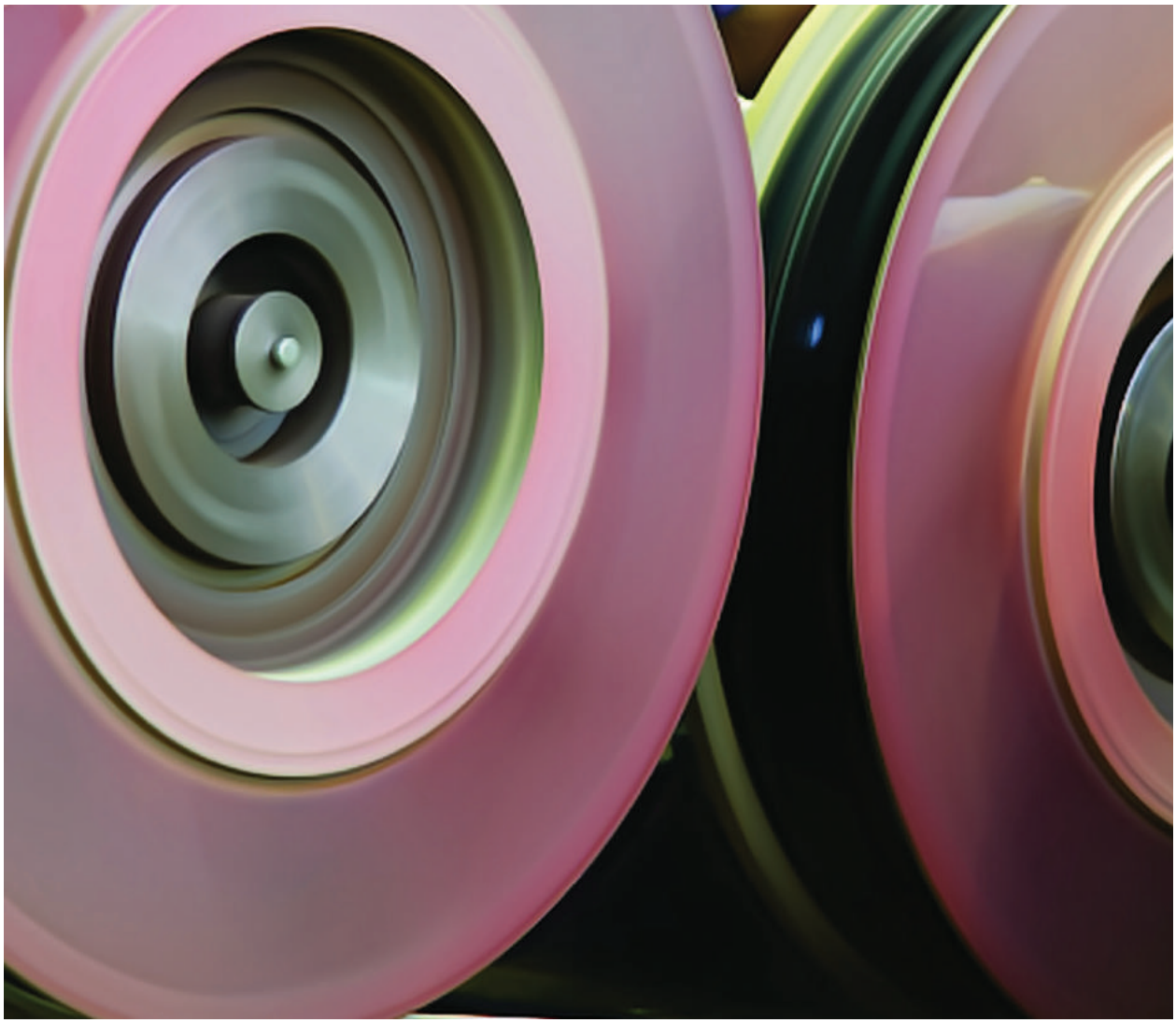
not less than 40 years

WARRANTY PERIOD

3 years after entering into exploitation, In the proper installation and working conditions (not later than within 6 months after production)

ABC Cable

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Wire dimension [mm]	Bending radius [mm]	Aluminium Weght [kg/km]	Weight [kg/km]
2 x 16	1,91	100	1,3	5,1	51	87,3	142
2 x 25	1,2	130	1,3	6,1	61	136,4	201
2 x 35	0,868	160	1,3	7,1	71	190,9	269
2 x 50	0,641	195	1,5	8,35	84	272,7	365
2 x 70	0,443	240	1,7	9,95	100	381	492
2 x 95	0,32	300	1,7	11,7	117	518	668
2 x 120	0,253	340	1,7	13,1	131	654	822
3 x 16	1,91	100	1,3	5,1	51	131,9	212
3 x 25	1,2	130	1,3	6,1	61	204,6	304
3 x 35	0,868	160	1,3	7,1	71	286,35	404
3 x 50	0,641	195	1,5	8,35	84	409	548
3 x 70	0,443	240	1,7	9,95	100	570	738
3 x 95	0,32	300	1,7	11,7	117	777	1010
3 x 120	0,253	340	1,7	13,1	131	981	1232
4 x 16	1,91	100	1,3	5,1	51	174,5	283
4 x 25	1,2	130	1,3	6,1	61	272,8	403
4 x 35	0,868	160	1,3	7,1	71	381,7	540
4 x 50	0,641	195	1,5	8,35	84	545,4	730
4 x 70	0,443	240	1,7	9,95	100	762	984
4 x 95	0,32	300	1,7	11,7	117	1036	1335
4 x 120	0,253	340	1,7	13,1	131	1308	1643



MOUNTING



H05V-U / H05V-R

STANDARD	EN 50525-2-31

PVC Insulated Installation Cable

APPLICATION

For lighting and power circuits while stationary laying in electric devices, for inflexible installation in electric devices, machinery, mechanisms and industrial machines for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V. Is used for laying in empty places of steel pipes and construction structures, where there are not frequent bends of the conductor.

The conductor is flame retardant.



2,5kV 50Hz	450/700 V	-30°C	+70°C	+70°C	Bending radius not less than 4xD of cable

- Installation temperature: not less than -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The copper cores with section 1.0-6mm² inclusive are produced with one wire of 1 class flexibility, according to Gost standard 22483, 10-240mm² are produced with twisted multi-core wires 2 class flexibility according to standard 22483-77.
Insulation of the conductor is made in different colors.

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on conductor core: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

2 years after entering into service, in the proper installation and working conditions.

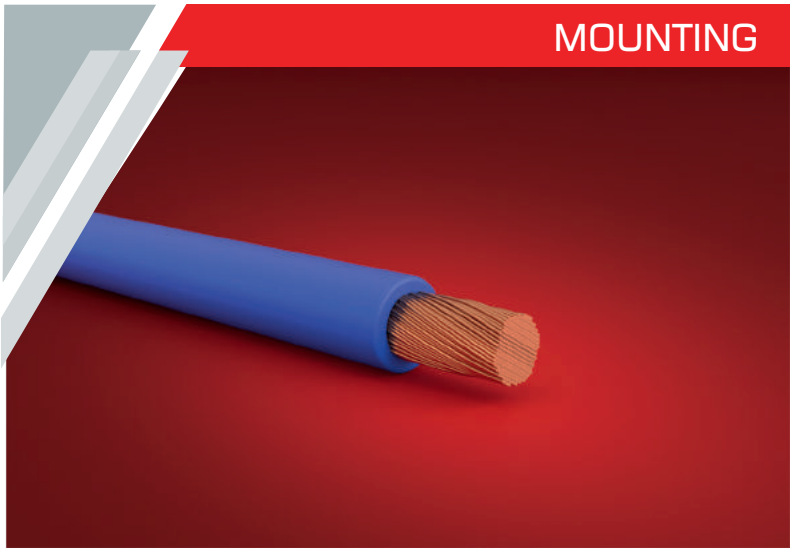
H05V-U / H05V-R

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	სპილენძის წონა არა უმეტეს კგ/კმ	Weight [kg/km]
1.0 re	18,1	17	0,6	2,6	26	8,9	13,25
1.5 re	12,1	22	0,7	2,8	28	13,4	18,24
2.5 re	7,41	30	0,8	3,4	34	22,3	27,48
4.0 re	4,61	39	0,8	3,9	39	35,6	43,02
6.0 re	3,08	50	0,8	4,4	44	53,35	62,11
10.0 rm	1,83	68	1,0	6	60	88,9	109,73
16.0 rm	1,15	89	1,0	6,8	68	142,3	166,68
25.0 rm	0,727	121	1,2	8,5	85	222,25	262,12
35.0 rm	0,524	147	1,2	9,8	98	311,2	352,5
50.0 rm	0,387	179	1,4	12	120	444,5	483,16
70.0 rm	0,268	226	1,4	16,8	168	622,3	684,28
95.0 rm	0,193	280	1,6	17,5	175	844,6	934,55
120.0 rm	0,183	326	1,6	13,75	138	1066,8	1166,73
150.0 rm	0,124	373	1,8	20,7	207	1333,5	1429,91
185.0 rm	0,991	431	1,8	23,6	236	1644,7	1776,39
240.0 rm	0,0754	512	1,8	12	120	2133,6	2325,93

re - Single-core
rm - Multi-core



MOUNTING



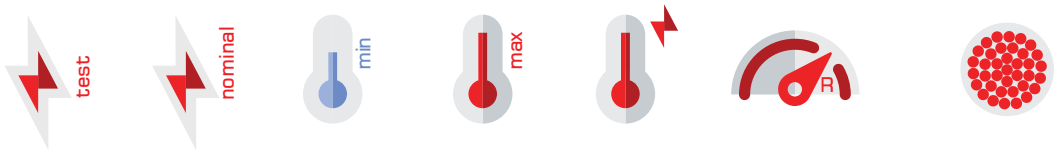
H05V-K

STANDARD	EN 50525-2-31

PVC Insulated Flexible Installation Cable

APPLICATION

For lighting and power circuits while stationary laying in electric devices, for inflexible installation in electric devices, machinery, mechanisms and industrial machines for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V. Is used for laying in empty places of steel pipes and construction structures, where there are not frequent bends of the conductor.



2kV 50Hz	300/500 V	-30°C	+70°C	+70°C

- Installation temperature: not less than -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The copper cores with section 1,5-4,0mm² inclusive are produced with PPV-1 flexibility and PPV-3 with 3,4 class flexibility according to the standard 22483-77. Number of cores in the conductor 2,3

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on the cable core: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

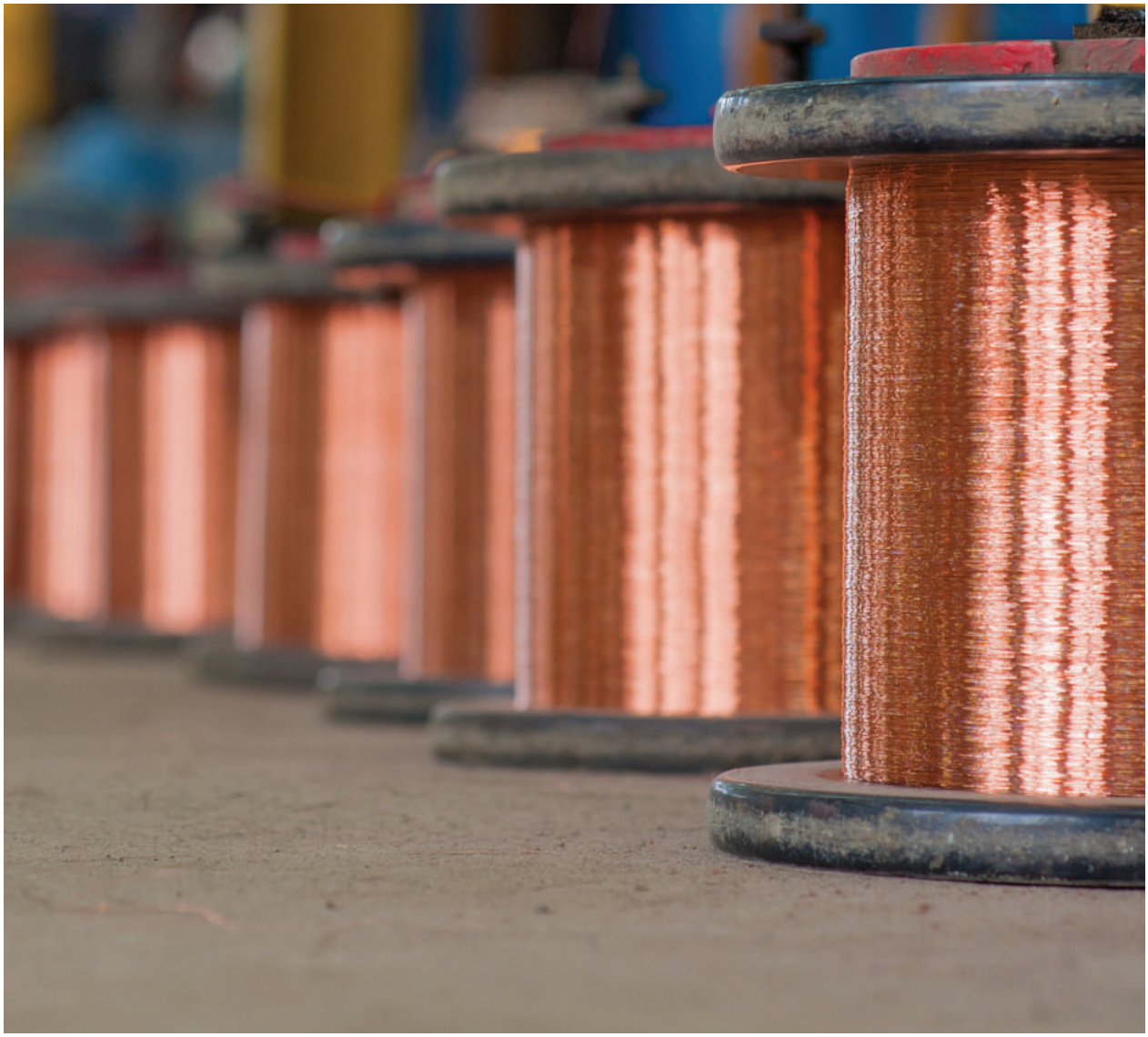
WARRANTY PERIOD

2 years after entering into service, in the proper installation and working conditions.

H05V-K

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	სპილენძის წონა არა უმეტეს კგ/კმ	Weight [kg/km]
0,5	40,5	11	0,6	2	10	4,4	7,15
0,75	25,2	15	0,6	2,2	11	6,7	8,89
1	19,8	17	0,6	2,3	11	8,9	11,55
1,5	13,2	23	0,7	2,8	14	13,3	13,87
2,5	8,05	30	0,8	3,5	17	22,2	29,01
4	4,89	41	0,8	4	20	35,6	45,15
6	3,28	50	0,8	4,6	23	53,3	67,67
10	2	80	1	6,3	30	90	107,49
16	1,21	100	1	7,5	38	142,2	181,92
25	0,809	140	1,2	9,9	50	222,25	273,48
35	0,551	170	1,2	10,9	55	311,2	379,02
50	0,394	215	1,4	13,3	67	444,5	499,06
70	0,277	270	1,4	15,5	78	622,3	700,05
95	0,203	330	1,6	17,6	88	844,6	972,41
120	0,158	385	1,8	19,3	97	1066,8	1196,57

re - Single-core
rm - Multi-core



MOUNTING



H05Z1-U / H07Z1-U / H07Z1-R

STANDARD	EN 50525-3-31

HFFR Insulated, Copper Installation Cable

APPLICATION

It is used For internal wiring, lighting and power circuits in crowded fire-sensitive areas, business centers, hotels, schools, tall buildings, hospitals, data processing centers and etc. for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V.



2 KV 50Hz	300/500 V	-30°C	+70°C	+70°C	Bending radius not less than 4xD of cable

- Installation temperature: not less than -5°C.
- Conductive lobe for long-term allowable heating temperature +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

Solid single round conductor

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on conductor core: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

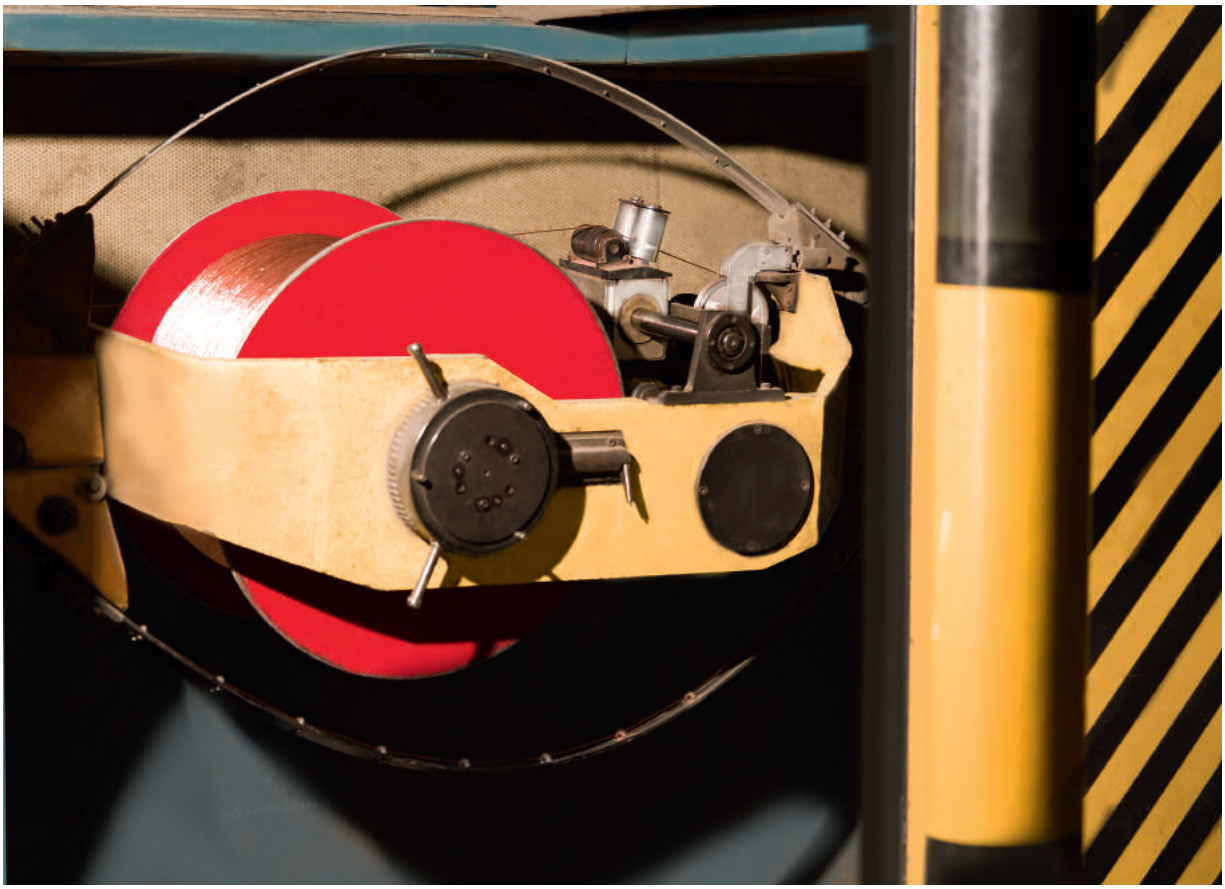
2 years after entering into service, in the proper installation and working conditions.

H07Z1-U EN 50525-3-31

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	CU Weight [kg/ km]	Weight [kg/km]
1*1.5	12.1	24	2.75	13.3	19.45
1*2.5	7.41	32	3.35	21.3	30.45
1*4	4.61	42	3.8	35.5	44.65
1*6	3.08	53	4.3	53.3	63.2
1*10	1.83	74	5.45	88.9	104.7

H07Z1-R EN 50525-3-31

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	CU Weight [kg/ km]	Weight [kg/km]
1*1.5	12.1	24	2.95	13.3	20.3
1*2.5	7.41	32	3.6	21.3	32.1
1*4	4.61	42	4.1	35.5	46.45
1*6	3.08	53	4.65	53.3	64.9
1*10	1.83	74	5.9	88.9	109.1
1*16	1.15	98	6.85	136.3	163.5
1*25	0.727	133	8.45	215.2	253.4
1*35	0.524	162	9.55	300.3	343.7
1*50	0.387	197	11.2	414.5	463.3
1*70	0.268	250	12.9	582.3	660.1
1*95	0.193	308	15.1	814.5	912.2
1*120	0.153	359	16.25	1003.2	1131
1*150	0.124	412	18.2	1292.1	1399
1*185	0.0991	475	20.65	1614.7	1772
1*240	0.0754	564	23.45	2118.6	2314



MOUNTING



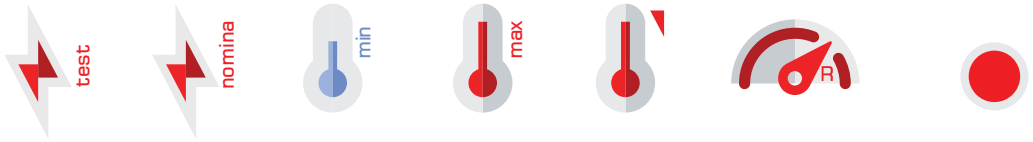
H07Z1- K

STANDARD	EN 50525-3-31

HFFR Insulated, Flexible Installation Cable

APPLICATION

It is used For internal wiring, lighting and power circuits in crowded fire-sensitive areas, business centers, hotels, schools, tall buildings, hospitals, data processing centers and etc. for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V.



2.5 KV 50Hz	450/700 V	-30°C	+70°C	+70°C	Bending radius not less than 4xD of cable

- Installation temperature: not less than -5°C.
- Conductive lobe for long-term allowable heating temperature +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

Multi wire round conductor

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on conductor core: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

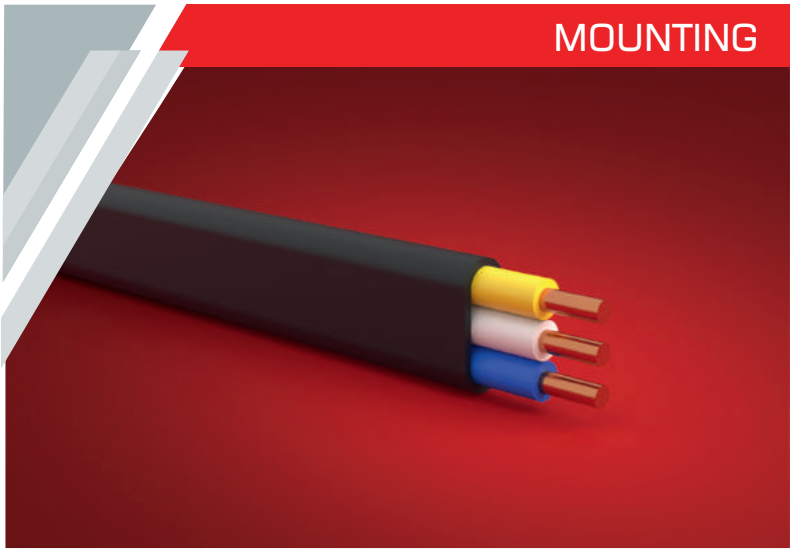
2 years after entering into service, in the proper installation and working conditions.

H07Z1-K EN 50525-3-31

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Outer diameter [mm]	CU Weight [kg/ km]	Weight [kg/km]
1*1.5	13.30	24	2.95	13.3	21.99
1*2.5	7.98	32	3.55	22.2	31.84
1*4	4.95	42	4.1	35.5	47.69
1*6	3.30	53	4.65	53.3	66.51
1*10	1.91	73	6.10	88.9	109.78
1*16	1.21	98	7.10	136.3	166.57
1*25	0.78	129	8.70	223.6	273.48
1*35	0.554	158	10.40	314.7	372.74
1*50	0.386	197	12.15	447.5	521.99
1*70	0.272	245	14.50	629.9	727.72
1*95	0.206	292	16.55	832.67	947.58
1*120	0.161	344	18.55	1079.4	1222.15
1*150	0.129	391	20.60	1327.6	1494.45
1*185	0.106	448	22.80	1826.2	1826.26
1*240	0.0801	528	28.60	2146.7	2419.00



MOUNTING



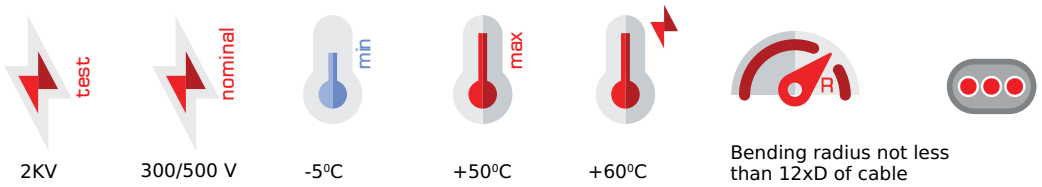
H05VVH2-U

STANDARD	EN 50525 2-11

Multi-core copper instalation flat cable, with PVC insulation and sheat

APPLICATION

For fixed installation in the lighting network, internal wiring under plaster. Also for connecting electric household devices



2KV | 300/500 V | -5°C | +50°C | +60°C | Bending radius not less than 12xD of cable

- Installation temperature: not less than -15°C.
- The insulation is resistant to cracking: +70°C
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

Conductor core section 1.5-4.0 mm² are made with single core 1 class flexibility, according to the standard IEC 60228-2014.
Number of cores in the conductor 2,3

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 50m

PACKING

On wooden drum or bundles (coils).

LABELING

Insulated cores are made of different colors, an inscription is made on the sheath of the conductor: “JSC Sakcable”, conductor brand, metric.

SERVICE LIFETIME

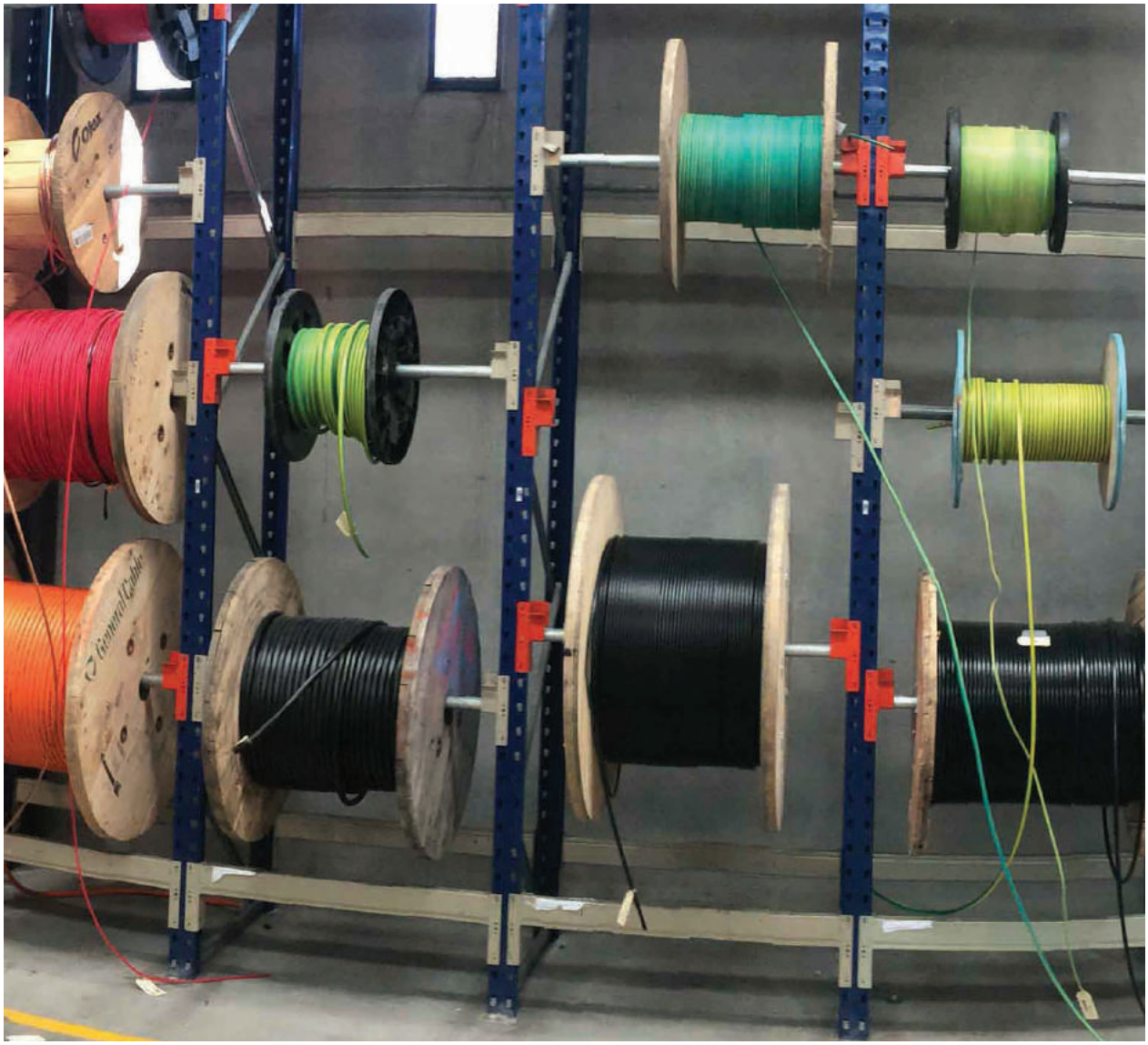
not less than 15 years

WARRANTY PERIOD

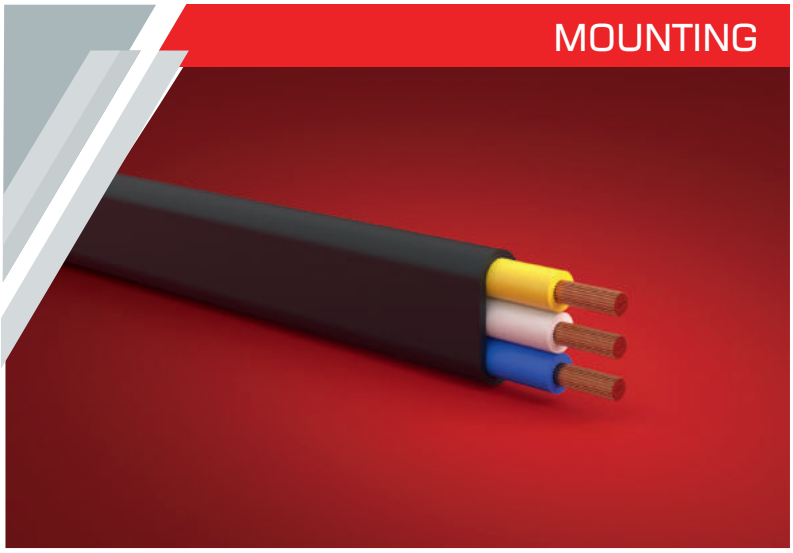
2 years after entering into service, in the proper installation and working conditions.

H05VVH2-U

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
2X1.0	18,1	18	0,6	0,9	4,1	41	17,8	48,85
2X1.5	12,1	24	0,6	0,9	4,35	44	26,8	61,03
2X2.5	7,41	33	0,7	0,9	4,73	47	44,6	82,96
2X4.0	4,61	44	0,7	0,9	5,39	54	71,2	120,24
3X1.0	18,1	16	0,6	0,9	4,1	41	26,7	70,31
3X1.5	12,1	21	0,6	0,9	4,35	44	40,2	88,57
3X2.5	7,41	28	0,7	0,9	4,73	47	66,9	121,5
3X4.0	4,61	37	0,7	0,9	5,39	54	106,8	177,58



MOUNTING



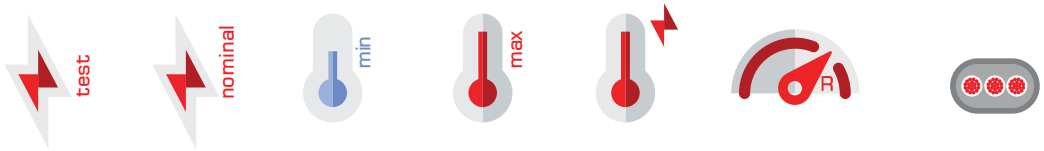
H05VVH2-F

STANDARD	EN 50525 2-11

Flexible Multi core copper instalation flat cable, with PVC insulation and sheat

APPLICATION

For fixed and non-fixed installation in the lighting network , internal wiring under plaster. Also for connecting of different household devices, with expected frequent bending of the conductor



2 KV | 300/500 V | -5^{0}C | +50^{0}C | +60^{0}C | Bending radius not less than 5xD of cable

- Installation temperature: not less than -15^{0}C.
- The allowed temperature of heating of the core: +70^{0}C.
- The conductor is resistant to 100% relative air humidity under +35^{0}C.

CONSTRUCTION

The copper cores with section 0.75-4.0mm^2 inclusive are produced with multi- wire 3 and 4 class flexibility, according to the standard IEC 60228-2014. Number of cores in the conductor 2,3

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 50m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, conductor cores differ in colors, where on external surface an inscription is made: “JSC Sakcable” cable brand, year of production, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

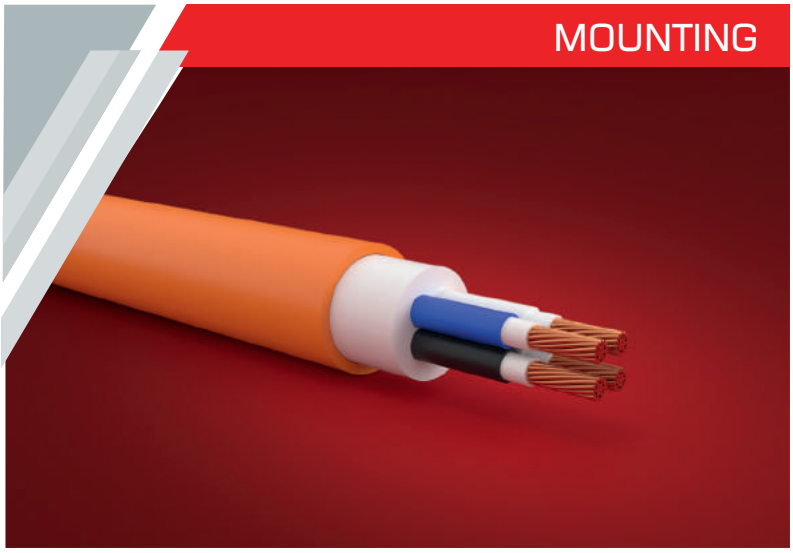
2 years after entering into service, in the proper installation and working conditions.

H05VVH2-F

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
2X0.75	25,2	16	0,6	0,9	4.08	41	13,4	45,28
2X1	19,8	18	0,6	0,9	4.22	42	17,8	51,13
2X1.5	13,2	24	0,6	0,9	4.57	46	26,8	65,6
2X2.5	8,05	33	0,7	0,9	5.03	50	44,5	88,84
2X4	4,89	44	0,7	0,9	5.66	57	71,2	127,12
3X0.75	25,2	14	0,6	0,9	4.08	41	20,1	64,95
3X1.0	19,8	16	0,6	0,9	4.22	42	26,7	73,73
3x1.5	13,2	21	0,6	0,9	4.57	46	40,2	95,45
3X2.5	8,05	28	0,7	0,9	5.03	50	66,8	130,38
3X4.0	4,89	37	0,7	0,9	5.66	57	106,8	188,01



MOUNTING



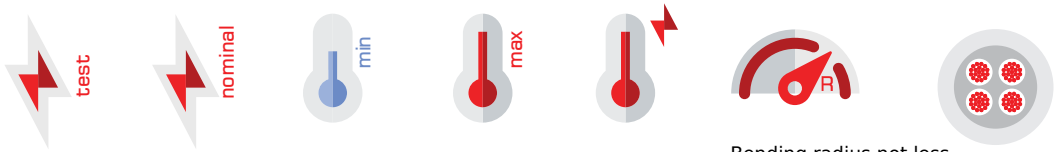
H05VV-F

STANDARD	EN 50525 2-11

Flexible Multi core copper cable, with PVC insulation and sheat

APPLICATION

For the connection of light electrical appliances (table and standing lamps, kitchen appliances, domestic vacuum cleaners, office appliances, radios etc.) at low mechanical stresses in households, kitchens and offices



2,0 kv | 300/500 V | -5°C | +40°C | +60°C | Bending radius not less than 5xD of cable

- Installation temperature: not less than -15°C.
- The insulation is resistant to cracking: +70°C
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The cores are made with twisted multi-wire copper with not less than 5 class flexibility, according to the standard IEC 60228-2014.
Section of the conductor core 0,75-16mm^2
Number of cores in the conductor 2,3,4,5

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 50m

PACKING On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

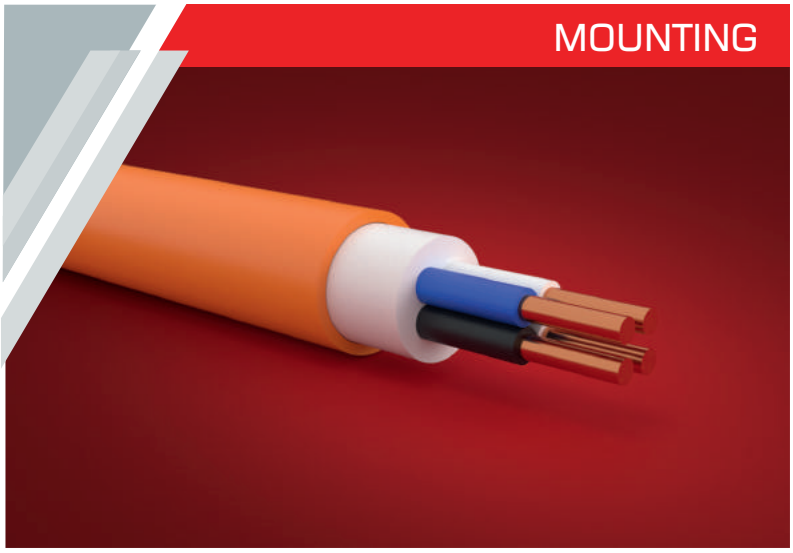
2 years after entering into service, in the proper installation and working conditions.

H05 VV-F

Part name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weight [kg/km]	Weight [kg/km]
2X0.75	26	6	0.6	0.8	6.20	40	13.8	56.56
2X1.0	19.5	10	0.6	0.8	6.50	40	18.1	63.83
2X1.5	13.3	16	0.7	0.8	7.20	60	26.6	82.31
2X2.5	7.98	25	0.8	1.0	8.50	60	44.2	119.62
2X4.0	6.46	32	0.9	1.1	10.0	60	71.2	173.44
2X6.0	3.30	45	0.9	1.1	11.90	60	106.6	248.07
2X10	1.91	60	1.0	1.20	14.60	60	178	383.36
2X16	1.21	82	1.1	1.20	18.60	60	285	627.66
3X0.75	26	6	0.6	0.8	6.50	40	20.7	67.49
3X1.0	19.5	10	0.6	0.8	6.80	40	27.15	76.99
3X1.5	13.3	16	0.7	0.9	7.80	60	41.1	104.50
3X2.5	7.98	25	0.8	1.10	9.20	60	70	151.94
3X4.0	6.46	32	0.9	1.20	10.70	60	112	222.20
3X6.0	3.30	45	0.9	1.20	12.80	60	168	318.36
3X10	1.91	60	1.0	1.20	15.50	60	280	485.54
3X16	1.21	82	1.1	1.30	20.10	60	448	807.03
4X0.75	26	6	0.6	0.8	7.10	40	28	81.51
4X1.0	19.5	10	0.6	0.9	7.70	40	37	97.19
4X1.5	13.3	16	0.7	1.0	8.70	60	56	131.67
4X2.5	7.98	25	0.8	1.1	10.0	60	93	185.91
4X4.0	6.46	32	0.9	1.30	11.90	60	150	279.72
4X6.0	3.30	45	0.9	1.30	14.20	60	224	401.28
4X10	1.91	60	1.0	1.40	17.40	60	374	621.95
4X16	1.21	82	1.1	1.70	23.00	60	598	1051.57
5X0.75	26	6	0.6	0.90	8.0	40	35	103.63
5X1.0	19.5	10	0.6	0.90	8.33	40	46	118.45
5X1.5	13.3	16	0.7	1.10	9.70	60	70	167.23
5X2.5	7.98	25	0.8	1.20	11.20	60	117	235.13
5X4.0	6.46	32	0.9	1.50	13.50	60	187	355.81
5X6.0	3.30	45	0.9	1.60	16.20	60	280	517.07
5X10	1.91	60	1.0	1.7.	19.80	60	467	790.39
5X16	1.21	82	1.1	1.90	25.70	60	747	1305.96



MOUNTING

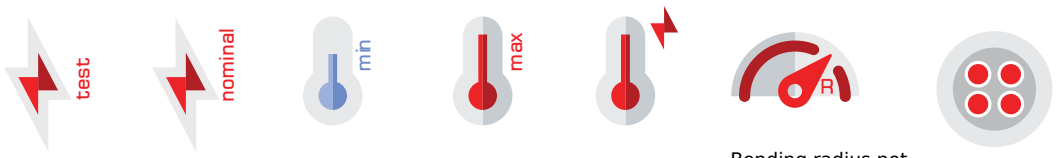


NYM	
STANDARD	DIN VDE 0250-204

PVC Insulated Multi Core Installation Cables

APPLICATION

The industrial and power from a stationary installation inside the building and on the air. Out of buildings can be used if there is no sunlight influence on cables. Can be used on the wall or under, dry, damp and wet buildings. It can be laying into channels without influence of stretching forces. Cable has a filler, it is fire residence and flexible



2kV	300/500V	-30°C	+70°C	+70°C	Bending radius not less than 12xD of cable

- Installation temperature: -5°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- Conductive lobe for long-term allowable heating temperature +70°C.

CONSTRUCTION

The copper cores with section 1,5-6mm² inclusive are produced with single wire of 1 class flexibility, 10-35mm² inclusive with twisted multi-core wires (7 wires) of 2 class flexibility, according to standard IEC 60228-2014 Number of cores in the cable 1:5

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m
The construction length of the cable may be agreed with the customer

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, manufacture year. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

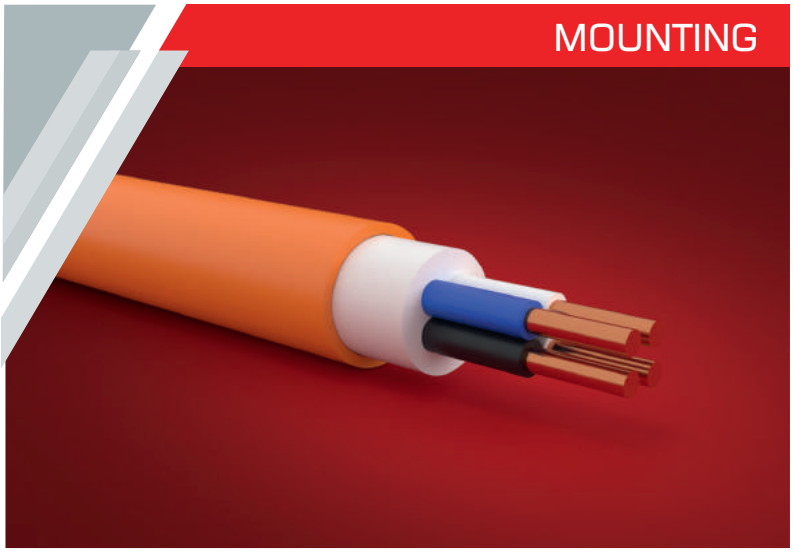
NYM DIN VDE 0250-204

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
2X1.5 re	12,1	19	0,6	1,4	8,8	35	26,80	123,89
2X2.5 re	7,41	27	0,7	1,4	9,6	38	44,60	168,6
3X1.5 re	12,1	19	0,6	1,4	9,2	37	41,4	141,57
3X2.5 re	7,41	25	0,7	1,4	10,1	40	68,9	196,27
3X4 re	4,64	35	0,8	1,4	11,0	44	110	291,18
3x6 re	3,08	42	0,8	1,6	13,2	53	164,85	403,2
3x10 rm	1,83	55	1,0	1,6	17,2	69	274,7	670,24
4X1.5 re	12,1	17	0,6	1,4	9,9	40	55,2	183,47
4X2.5 re	7,41	23	0,7	1,4	10,8	43	91,87	253,36
4X4 re	4,64	32	0,8	1,4	11,9	48	146,67	360,33
4x6 re	3,08	39	0,8	1,6	14,2	57	219,8	500,91
4x10 rm	1,83	51	1,0	1,6	18,5	74	366,26	843,25
5X1.5 re	12,1	17	0,6	1,4	10,5	42	69,01	224,21
5X2.5 re	7,41	23	0,7	1,4	11,6	46	114,85	309,72
5X4 re	4,64	32	0,8	1,4	12,4	50	183,34	439,09
5x6 re	3,08	39	0,8	1,6	15,2	61	274,75	596,88
5x10 rm	1,83	51	1,0	1,6	20,2	81	457,84	1019,24

re - Single-core
rm - Multi-core



MOUNTING

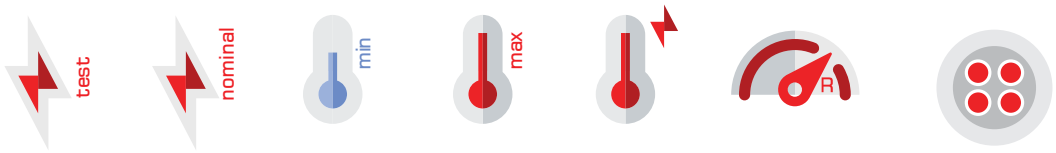


NHXMH	
STANDARD	VDE 250-214

Halogen free flame retardant Multi Core Installation Cable

APPLICATION

Low-smoke, zero-halogen, flame-retardant building wire for installation on and under plaster, in cable ducts and conduits. For indoor use only



2kV	300/500V	-30°C	+70°C	+70°C	Bending radius not less than 15xD of cable (single core) 12xD (Multi-core)

- Installation temperature: -15°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +70°C.

CONSTRUCTION

Copper wire cross-section 1.5-6mm² are made with single-core with 1 class flexibility, according to the standard IEC60228; Cross-section 16:35mm² are made of twisted multi-core with 2 class flexibility, according to the standard IEC60228; Cable is round. It's possible to Production with flay construction

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor "JSC Sakcable" cable brand, year of production. The wires differ by insulation color or by digits.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

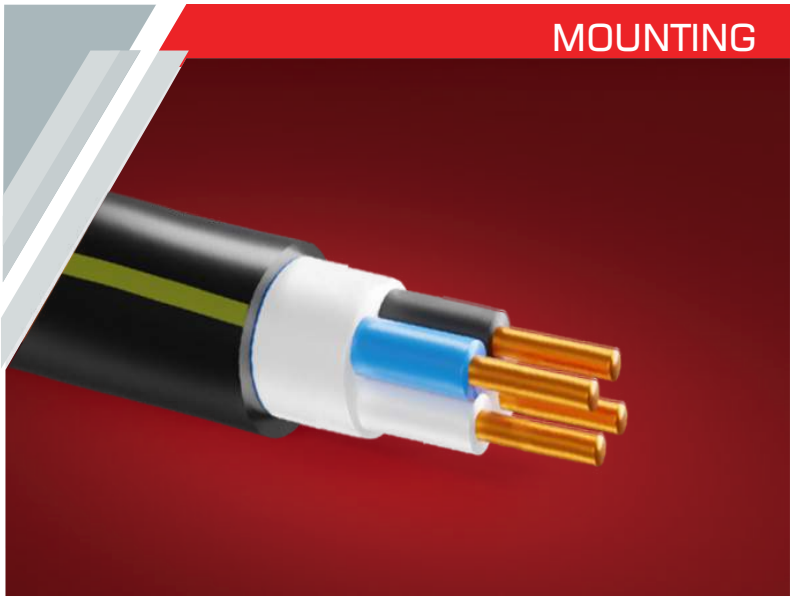
5 years after entering into exploitation, In the proper installation and working conditions

NHXMH VDE 250-214

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1 x 1,5 re	12,1	27	0,5	1,2	4,76	71	13,4	36,59
1 x 2,5 re	7,41	35	0,5	1,2	5,13	77	22,3	47,29
1 x 4 re	4,61	48	0,6	1,2	5,79	87	35,6	65,41
1 x 6 re	3,08	58	0,6	1,2	6,3	94	53,35	86,72
1 x 10 rm	1,83	93	0,7	1,2	7,79	117	88,9	137,44
1 x 16 rm	1,15	116	0,7	1,2	9,21	138	142,3	203,19
2 x 1,5 re	12,1	24	0,5	1,2	8,12	97	26,8	105,48
2 x 2,5 re	7,41	33	0,5	1,2	8,86	106	44,6	135,03
2 x 4 re	4,61	44	0,6	1,2	10,78	129	71,2	206,48
2 x 6 re	3,08	56	0,6	1,2	12,2	146	106,7	279,99
2 x 10 rm	1,83	76	0,7	1,26	15,3	184	177,8	447,37
2 x 16 rm	1,15	101	0,7	1,3	18,62	223	284,6	676,84
2 x 25 rm	0,727	134	0,9	1,38	21,66	260	444,5	968,61
3 x 1,5 re	12,1	22	0,5	1,2	8,47	102	41,4	121,24
3 x 2,5 re	7,41	29	0,5	1,2	9,27	111	68,9	159,06
3 x 4 re	4,61	41	0,6	1,2	11,29	135	110	244,61
3 x 6 re	3,08	49	0,6	1,22	12,83	154	164,85	337,89
3 x 10 rm	1,83	64	0,7	1,28	16,45	197	274,7	558,7
3 x 16 rm	1,15	87	0,7	1,33	19,9	239	439,7	838,52
3 x 25 rm	0,727	110	0,9	1,41	23,24	279	686,75	1220,4
3 x35 rm	0,524	139	0,9	1,46	26,15	314	961,6	1604,26
4 x 1,5 re	12,1	20	0,5	1,2	9,69	116	55,2	158,72
4 x 2,5 re	7,41	27	0,5	1,2	10,58	127	91,87	207,62
4 x 4 re	4,61	37	0,6	1,21	12,17	146	146,67	292,32
4 x 6 re	3,08	45	0,6	1,25	14,3	172	219,8	425,68
4 x 10 rm	1,83	59	0,7	1,32	18,63	224	366,26	716,63
4 x 16 rm	1,15	80	0,7	1,37	22,15	266	586,27	1050,13
4 x 25 rm	0,727	101	0,9	1,46	26,04	312	915,67	1546,99
4 x35 rm	0,524	128	0,9	1,53	29,34	352	1282,14	2036,83
5 x 1,5 re	12,1	20	0,5	1,2	10,77	129	69,01	195,05
5 x 2,5 re	7,41	27	0,5	1,2	11,77	141	114,85	255,23
5 x 4 re	4,61	37	0,6	1,2	13,65	164	183,34	362,41
5 x 6 re	3,08	45	0,6	1,27	15,67	188	274,75	511,08
5 x 10 rm	1,83	59	0,7	1,36	20,67	248	457,84	873,09
5 x 16 rm	1,15	80	0,7	1,42	24,83	298	732,85	1295,37
5 x 25 rm	0,727	101	0,9	1,52	28,91	347	1144,59	1884,14
5 x35 rm	0,524	128	0,9	1,59	32,59	391	1602,68	2481,67

re - Single-core
rm - Multi-core



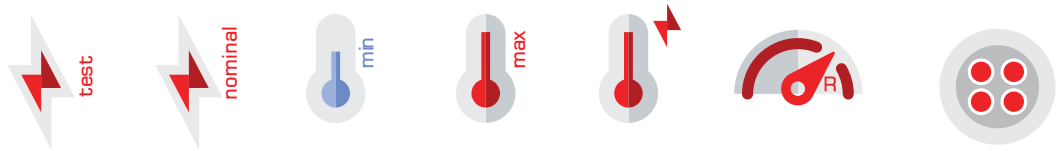


CYKY	
STANDARD	SN 347614-3A

Power cable 0,6/1 kV with Cu conductors, PVC insulated and sheathed

APPLICATION

The cable is designed for fixed installation. The cable is resistant to UV radiation and is suitable to install in interior premises or in the open air places where there is no risk of mechanical damage.



4Kv	450/750 V	-35°C	+70°C	+70°C	Bending radius (min): multicore - 12D

- Minimal temperature for installation: -5°C.
- Maximal short-circuit temperature +160°C

CONSTRUCTION

Copper conductor of class 1 or 2 according to EN 60228, with PVC insulation, PVC outer sheath
Service lifetime and guarantee.

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production. The wires differ by insulation color or by digits.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

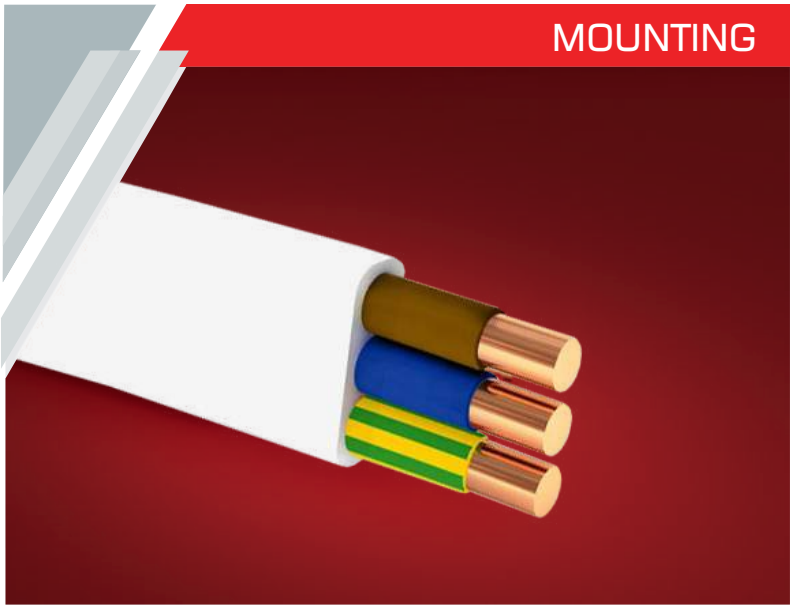
5 years after entering into exploitation, In the proper installation and working conditions

CYKY SN 347614-3A

No. of cores and cross-section	Power load air/ground	Effective resistance of conductor Ω/km	Nominal insulation thickness mm.	Bending Radius mm.	Outer diameter approx.
CYKY 2 X 1.5	18.5/28	12.53	0.7	47.4	7.9
CYKY 2 X 2.5	25/36	7.52	0.8	54.36	9.1
CYKY 2 X 4	34/48	4.7	0.8	60	10.0
CYKY 2 X 6	43/61	3.133	0.8	69.96	11.7
CYKY 2 X 10	60/81	1.88	1.0	89.52	14.9
CYKY 3 X 1.5	18.5/28	12.53	0.7	49.86	8.3
CYKY 3 X 2.5	25/36	7.52	0.8	57.36	9.6
CYKY 3 X 4	34/48	4.7	0.8	63.42	10.6
CYKY 3 X 6	43/61	3.133	0.8	73.86	12.3
CYKY 3 X 10	60/81	1.88	1.0	97.26	16.2
CYKY 4 X 1.5	18.5/28	12.53	0.7	54.18	9.0
CYKY 4 X 2.5	25/36	7.52	0.8	62.58	10.4
CYKY 4 X 4	34/48	4.7	0.8	69.36	11.6
CYKY 4 X 6	43/61	3.133	0.8	80.64	13.4
CYKY 4 X 10	60/81	1.88	1.0	106.56	17.8
CYKY 5 X 1.5	18.5/28	12.53	0.7	58.98	9.8
CYKY 5 X 2.5	25/36	7.52	0.8	68.34	11.4
CYKY 5 X 4	34/48	4.7	0.8	75.96	12.7
CYKY 5 X 6	43/61	3.133	0.8	88.14	14.7
CYKY 5 X 10	60/81	1.88	1.0	233.88	19.5



MOUNTING

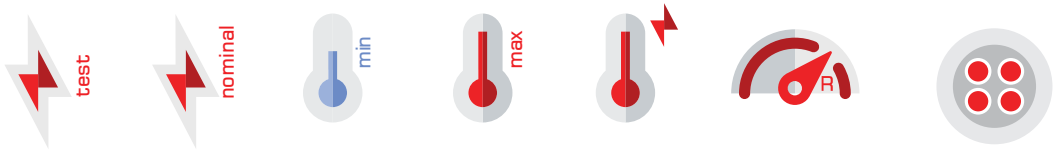


YDYp	
STANDARD	PN-E- 90068

Installation cables with PVC insulation

APPLICATION

Standard house wiring cable is designed for fixed installation without additional protection, indoors, in air, in and under plaster, in brick and concrete, Applicable rules of installation must be applied at all times.



2 kV 2,5 kV	300/500 V 450/750 V	-40°C	+70°C	+70°C	Min. bending radius 4d (smaller cable dimension)

- Min. temperature for laying and manipulation -5°C.
- Maximal short-circuit temperature +160°C

CONSTRUCTION

Copper conductor class 1 with PVC insulation and PVC outer sheath.

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production. The wires differ by insulation color or by digits.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

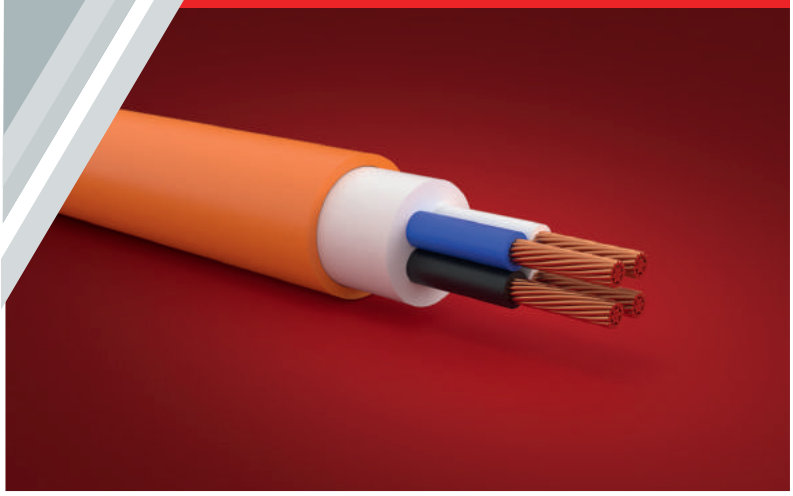
5 years after entering into exploitation, In the proper installation and working conditions

YDYp PN-E- 90068

No. of cores and cross-section	Effective resistance of conductor Ω/km	Nominal insulation thickness mm	Nominal sheath thickness	Outer diameter approx.
YDYp 2 X 1.5	12.1	0.6	0.9	5.26*8.12
YDYp 2 X 2.5	7.41	0.6	0.9	5.66*8.92
YDYp 3 X 1.5	12.1	0.6	0.9	5.26*10.98
YDYp 3 X 2.5	7.41	0.6	1.0	5.66*12.18



POWER SECURITY



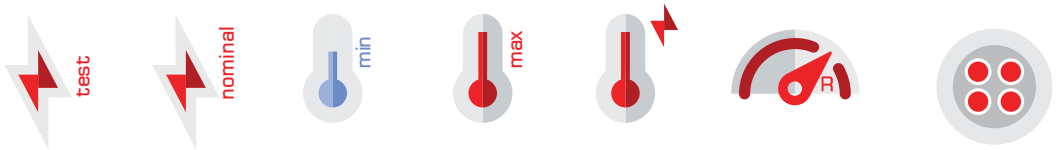
N2XH FE-180

STANDARD	IEC 60502-1

Fire resistant halogen free flame retardant power security cable

APPLICATION

Halogen free, fire resistant cables (FE 180), that do not generate high smoke density during fire and can function under flame for 180 minutes. It is used indoors, in locations where there is a big human traffic and therefore high demand of a protection against fire damage.



4KV | 0.6/1KV | -15°C | +70°C | +90°C | Bending radius not less than 12xD of cable

- Installation temperature: -5°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +90°C.

CONSTRUCTION

Solid copper conductor with Flame protecting Insulation,
Low Smoke Zero Halogen inner and outer sheath

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production. The wires differ by insulation color or by digits.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

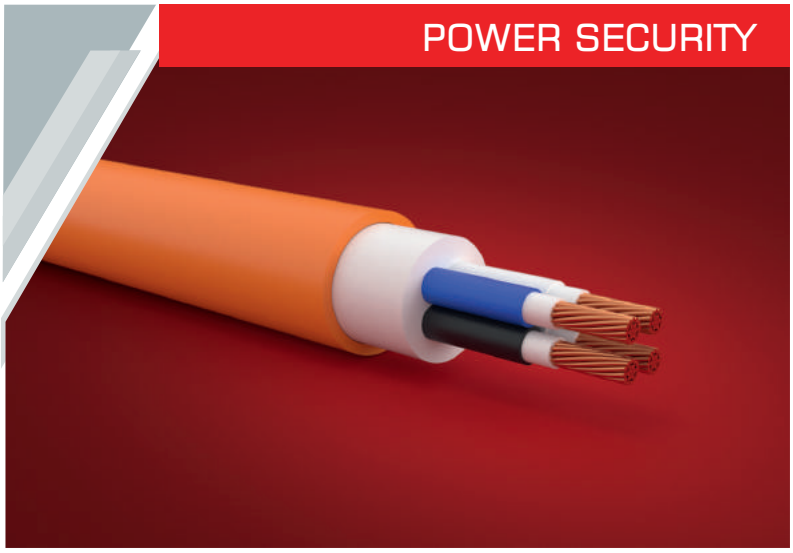
5 years after entering into exploitation, In the proper installation and working conditions

N2XH FE-180 IEC 60502-1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1*10	1.83	99	0.7	1.40	8.7	105	88.9	154.4
1*16	1.15	131	0.7	1.40	9.8	117	142.2	217.5
1*25	0.727	177	0.9	1.40	11.5	138	222.3	319.9
1*35	0.524	217	0.9	1.40	12.8	153	311.2	420.9
1*50	0.387	265	1	1.40	14.1	169	444.5	547.3
1*70	0.268	336	1	1.80	16.9	202	622.3	787.6
1*95	0.193	415	1.2	1.80	18.7	225	844.6	1 041.5
1*120	0.153	485	1.2	1.80	20.5	246	1 066.8	1 290.2
1*150	0.124	557	1.4	1.80	22.4	269	1 333.5	1 569.2
1*185	0.0991	646	1.6	1.80	24.7	296	1 644.7	1 933.7
1*240	0.0754	774	1.7	1.90	27.6	331	2 133.6	2 497.7
2*1.5	12.1	24	0.7	1.40	10.4	125	27.5	158.5
2*2.5	7.41	32	0.7	1.80	12.6	151	45.8	237.2
3*1.5	12.1	24	0.7	1.80	11.7	141	41.2	198.6
3*2.5	7.41	32	0.7	1.80	13.1	158	68.7	267.3
3*4	4.61	42	0.7	1.80	14.1	169	109.9	331.9
3*6	3.08	53	0.7	1.80	15.6	187	164.8	434.7
3*10	1.83	74	0.7	1.80	18.3	220	274.7	634.7
3*16	1.15	98	0.7	1.80	20.6	247	439.5	872.1
3*25	0.727	133	0.9	1.80	24.2	291	686.8	1 268.1
3*35	0.524	162	0.9	1.80	27.2	327	961.5	1 667.2
3*50	0.387	197	1	1.80	30.1	361	1 373.5	2 140.0
3*70	0.268	250	1	2.00	35.1	421	1 922.9	2 993.1
3*95	0.193	308	1.2	2.20	39.5	474	2 609.7	3 957.7
3*120	0.153	359	1.2	2.30	43.9	526	3 296.4	4 951.9
3*150	0.124	412	1.4	2.50	48.5	582	4 120.5	6 056.3
3*185	0.0991	475	1.6	2.70	54.7	656	5 082.0	7 645.3
3*240	0.0754	564	1.7	2.90	60.9	731	6 592.8	9 762.0
4*1.5	12.1	24	0.7	1.80	13.2	158	54.9	250.8
4*2.5	7.41	32	0.7	1.80	14.1	169	91.6	309.3
4*4	4.61	42	0.7	1.80	15.2	182	146.5	389.7
4*6	3.08	53	0.7	1.80	16.8	202	219.8	515.1
4*10	1.83	74	0.7	1.80	19.9	238	366.3	760.8
4*16	1.15	98	0.7	1.80	22.4	269	586.0	1 058.1
4*25	0.727	133	0.9	1.80	26.7	320	915.7	1 567.0
4*35	0.524	162	0.9	1.80	29.8	358	1 281.9	2 048.5
4*50	0.387	197	1	2.00	33.9	406	1 831.3	2 716.2
4*70	0.268	250	1	2.20	39.0	468	2 563.9	3 745.1
4*95	0.193	308	1.2	2.30	44.0	528	3 479.5	4 996.9
4*120	0.153	359	1.2	2.50	48.6	584	4 395.2	6 213.5
4*150	0.124	412	1.4	2.70	54.4	653	5 494.0	7 697.5
4*185	0.0991	475	1.6	2.90	60.5	726	6 776.0	9 573.6
4*240	0.0754	564	1.7	2.90	67.1	805	8 790.4	12 182.4
5*1.5	12.1	24	0.7	1.80	13.5	162	68.7	267.3
5*2.5	7.41	32	0.7	1.80	15.6	187	114.5	380.2
5*4	4.61	42	0.7	1.80	16.8	202	183.1	481.9
5*6	3.08	53	0.7	1.80	18.6	223	274.7	623.2



POWER SECURITY



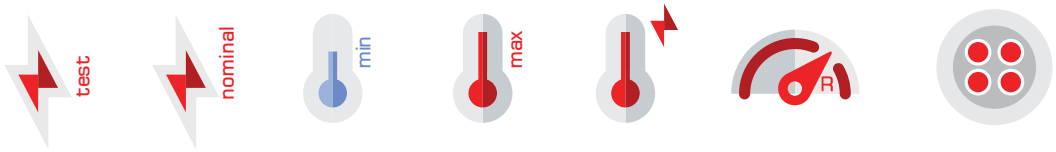
NHXH FE-180

STANDARD	VDE 0266

Fire Performance halogen free flame retardant power cable with circuit integrity

APPLICATION

These cables are halogen free and fire resistant (FE 180), they can function under flame for 180 minutes and do not generate high smoke density during fire. They are used in places with high traffic, for safety regulations against fire



4KV	0.6/1KV	-15°C	+70°C	+90°C	Bending radius not less than 12xD of cable

- Installation temperature: -5°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +90°C.

CONSTRUCTION

Stranded copper conductor with Flame protecting Insulation,
Low Smoke Zero Halogen inner and outer sheath

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production. The wires differ by insulation color or by digits.

SERVICE LIFETIME

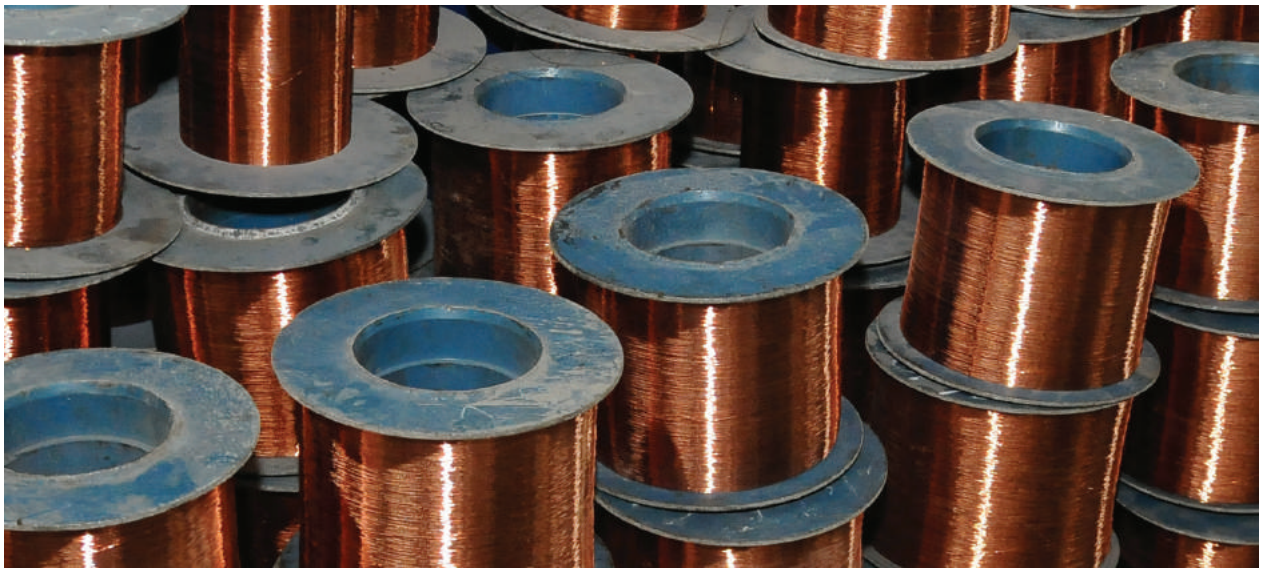
not less than 30 years

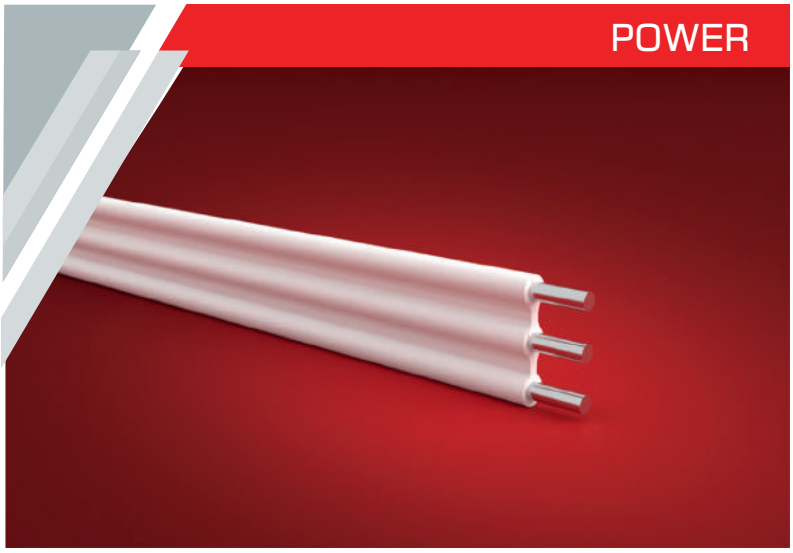
WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

NHXH FE-180 DIN VDE 0266

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
5*10	1.83	74	0.7	1.80	22.0	264	457.8	920.7
5*16	1.15	98	0.7	1.80	24.8	298	732.5	1 307.0
5*25	0.727	133	0.9	1.80	29.6	355	1 144.6	1 939.8
5*35	0.524	162	0.9	1.80	33.5	402	1 602.4	2 580.9
5*50	0.387	197	1	2.00	37.5	450	2 289.2	3 365.0
5*95	0.193	308	1.2	2.50	49.4	593	4 349.4	6 271.5
5*120	0.153	359	1.2	2.70	54.9	659	5 494.0	7 851.9
5*150	0.124	412	1.4	2.90	60.2	723	6 867.5	9 522.1
5*185	0.0991	475	1.6	2.90	67.0	804	8 469.9	11 853.5
7*2.5	7.41	32	0.7	1.80	16.3	195	160.2	420.6
9*1.5	12.1	24	0.7	1.80	17.9	214	123.6	439.1
2*10+1*6	1.83/3.08	74	0.7/0.7	1.80	17.6	211	238.1	553.1
3*4+1*2.5	4.61/7.41	42	0.7/0.7	1.80	15.2	182	132.8	375.1
3*6+1*4	3.08/4.61	53	0.7/0.7	1.80	16.8	202	201.4	495.3
3*10+1*6	1.83/3.08	74	0.7/0.7	1.80	19.3	231	329.6	682.6
3*16+1*10	1.15/1.83	98	0.7/0.7	1.80	22.4	269	531.1	999.5
3*25+1*16	0.727/1.15	162	0.9/0.7	1.80	26.5	318	833.3	1 456.3
3*35+1*16	0.524/1.15	162	0.9/0.7	1.80	27.8	334	1 108.0	1 685.3
3*35+1*25	0.524/0.727	197	0.9/0.9	1.80	29.8	358	1 190.4	1 952.6
3*50+1*16	0.387/1.15	197	1/0.7	2.00	31.8	382	1 520.0	2 204.9
3*50+1*25	0.387/0.727	197	1/0.9	2.00	32.7	393	1 602.4	2 386.8
3*70+1*35	0.268/0.524	250	1/0.9	2.10	37.4	449	2 243.4	3 250.6
3*95+1*50	0.193/0.387	308	1.20/1	2.30	42.1	505	3 067.5	4 300.9
3*120+1*70	0.153/0.268	359	1.20/1	2.50	47.0	563	3 937.4	5 482.8
3*150+1*70	0.124/0.268	412	1.40/1	2.60	51.7	620	4 761.5	6 515.8
3*185+1*95	0.0991/0.193	475	1.6/1.2	2.80	58.2	699	5 951.9	8 298.3
3*240+1*120	0.0754/0.153	564	1.7/1.2	2.90	64.7	777	7 691.6	10 537.0
4*4+1*2.5	4.61/7.41	42	0.7/0.7	1.80	16.4	197	169.4	437.7
4*6+1*4	3.08/4.61	53	0.7/0.7	1.80	18.2	218	256.4	581.6
4*10+1*6	1.83/3.08	74	0.7/0.7	1.80	21.6	259	421.2	852.1
4*16+1*10	1.15/1.83	98	0.7/0.7	1.80	24.4	293	677.6	1 197.2
4*25+1*16	0.727/1.15	133	0.9/0.7	1.80	29.2	350	1 062.2	1 773.7
4*35+1*16	0.524/1.15	162	0.9/0.7	2.00	33.5	402	1 428.4	2 335.1
4*50+1*25	0.387/0.727	197	1/0.9	2.10	37.3	448	2 060.3	3 057.9
4*70+1*35	0.268/0.524	250	1/0.9	2.30	43.4	521	2 884.4	4 251.9
4*95+1*50	0.193/0.387	308	1.20/1	2.50	48.8	586	3 937.4	5 619.0
4*120+1*70	0.153/0.268	359	1.20/1	2.60	54.3	652	5 036.2	7 131.2
4*150+1*70	0.124/0.268	412	1.40/1	2.80	60.4	725	6 135.0	8 624.5
4*185+1*95	0.0991/0.193	475	1.6/1.2	2.90	67.0	804	7 645.8	10 757.8
4*240+1*120	0.0754/0.153	564	1.7/1.2	2.90	74.0	888	9 889.2	13 552.4





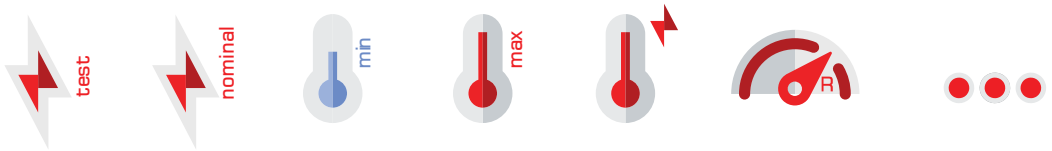
NYIFY

STANDARD	IEC 60227

Conductor with copper core, with polyvinylchloride insulation, flat, with dividing base

APPLICATION

For lighting and power circuits while stationary laying in electric devices, for inflexible installation in electric devices, machinery, mechanisms and industrial machines for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V. Is used for laying in empty places of steel pipes and construction structures, where there are not frequent bends of the conductor.
The conductor is flame retardant.



2,5kV 50Hz	450-v/50 /50 Hz	-50°C	+50°C	+60°C	Bending radius not less than 10xD of cable

- Installation temperature: not less than -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The aluminum cores with section 1.5-4.0 mm^2 inclusive are produced with PPV-1 and PPV-3 with 3,4 class flexibility, according to the standard 22483-77. Number of cores in the conductor 2,3

THE CONSTRUCTION LENGHT OF THE CABLE

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on the cable: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

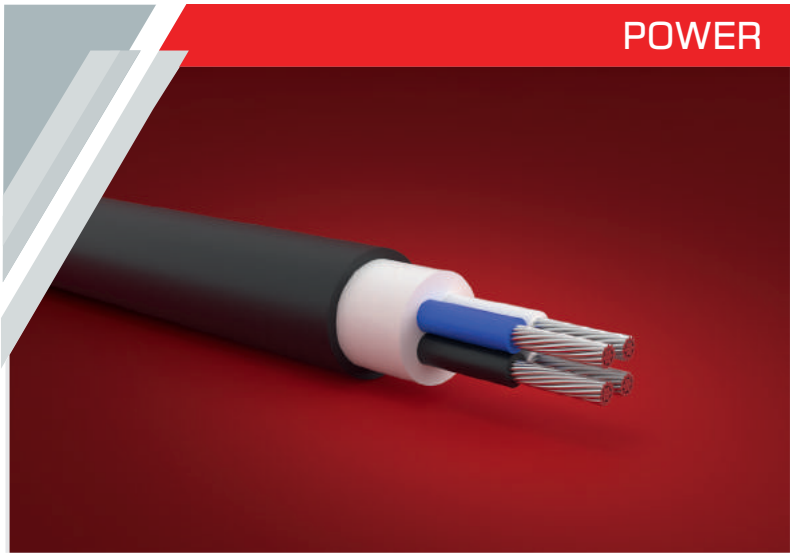
WARRANTY PERIOD

2 years after entering into service, in the proper installation and working conditions.

NYIFY

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
2X1.5	12,1	24	0,7	3,4	34	26,7	42,83
2X2.5	7,41	33	0,8	3,9	39	44,5	65,83
2X4.0	4,61	44	0,8	4,4	44	71,1	94,62
3X1.5	12,1	21	0,7	3,4	34	40	60,34
3X2.5	7,41	28	0,8	3,9	39	66,7	94,85
3X4.0	4,61	37	0,8	4,4	44	106,7	138,03





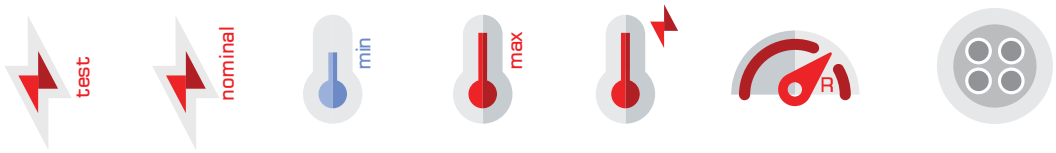
NAYY	
STANDARD	IEC 60502-1

Aluminium Power cable, with PVC insulation and sheat

APPLICATION

For transmission and distribution of electric power at stationary devices with rated voltage 0,660kV and 1 kV frequency 50Hz. For straining in the air where there is no danger of mechanical damage of the cable, also for laying into channels without influence of stretching forces

- Fire Retardant in Multi layer



4KV	0.6/1KV	-30°C	+70°C	+70°C	Bending radius not less than 12xD of cable

- Installation temperature: not less than -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- Conductive lobe for long-term allowable heating temperature +70°C

CONSTRUCTION

The copper cores with section 1,5-6mm² inclusive are produced of single wire of 1 class flexibility, 10-240mm² inclusive with twisted multi-core wires of 2 class flexibility, according to standard IEC 60502-1. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

2,5-16mm²-450m;
25-70mm²-300m;
95-240mm²-200m

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, date of production. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores

SERVICE LIFETIME

not less than 40 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

NAYY IEC 60502-1

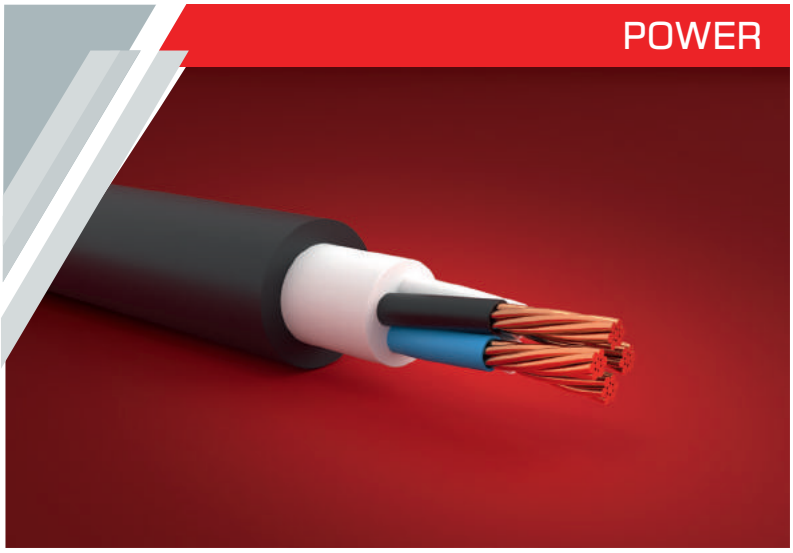
Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
1 x 2,5 re	12,1	22	0,6	1,20	5,04	50	6,75	37,21
1 x 4 re	7,41	30	0,7	1,20	5,52	55	10,8	48,22
1 x 6 re	5,11	37	0,7	1,20	6,02	60	16,2	57,82
1 x 10 re	3,08	50	0,9	1,50	7,17	72	27	80,49
1 x 16 re	1,91	68	0,9	1,50	8,68	87	43,2	118,59
1 x 16 rm	1,91	68	0,9	1,50	9,38	94	43,84	130,52
1 x 25 re	1,20	92	1,1	1,50	10,18	102	67,5	165,22
1 x 25 rm	1,20	92	1,1	1,50	11,04	110	68,52	182,22
1 x35 re	0,868	113	1,1	1,50	11,18	119	94,5	201,52
1 x35 rm	0,868	113	1,1	1,50	12,18	122	95,92	222,24
1 x 50 re	0,641	139	1,3	1,50	12,61	126	135	260,67
1 x 50 rm	0,641	139	1,3	1,50	13,76	138	137	284,77
1 x 70 rm	0,443	176	1,4	1,50	15,59	156	189	373,04
1 x95 rm	0,320	217	1,6	1,50	17,5	175	256,5	478,44
1 x 120 rm	0,253	253	1,6	1,70	19,3	193	324	591,73
1 x 150 rm	0,206	290	1,8	1,70	21,08	211	405	696,19
1 x 185 rm	0,164	336	2,0	1,90	23,56	236	499,5	862,05
1 x 240 rm	0,125	401	2,2	1,90	26,44	264	648	1087,35
1 x 300 rm	0,1	464	2,4	2,1	29,46	295	810	1279,36
1 x 400 rm	0,0778	544	2,6	2,3	32,84	329	1080	1597,85
3 x 2,5 re	12,1	21	0,6	1,50	11,98	120	20,85	116,7
3 x 4 re	7,41	29	0,7	1,50	13,44	134	33,3	155,7
3 x 6 re	5,11	37	0,7	1,50	14,5	145	50	189,9
3 x 10 re	3,08	50	0,9	1,50	17,5	175	83,4	270,8
3 x 16 re	1,91	67	0,9	1,50	19,86	199	133,5	361,2
3 x 16 rm	1,91	67	0,9	1,50	21,22	212	135,5	400,2
3 x 25 re	1,20	88	1,1	1,70	23,93	239	208,57	521,4
3 x 25 rm	1,20	88	1,1	1,70	25,63	256	211,7	603,1
3 x35 re	0,868	109	1,1	1,70	27	270	292	673,7
3 x35 rm	0,868	109	1,1	1,70	29,02	290	296,4	773,6
3 x 50 re	0,641	136	1,3	1,90	30,24	302	417,2	914,2
3 x 50 rm	0,641	136	1,3	1,90	32,46	325	423,4	1000,3
3 x 70 rm	0,443	167	1,4	1,90	37,99	380	584	1321,4
3 x95 rm	0,320	204	1,6	2,10	42,35	424	792,6	1748,7
3 x 120 rm	0,253	236	1,6	2,10	46,39	464	1001,2	2094,7
3 x 150 rm	0,206	273	1,8	2,30	49,94	500	1251,4	2526,9
3 x 185 rm	0,164	313	2,0	2,50	54,34	534	1543,45	3108,1
4 x 2,5 re	12,1	20	0,6	1,50	12,74	127	27,8	139,5
4 x 4 re	7,41	27	0,7	1,50	14,38	144	44,4	188,6
4 x 6 re	5,11	34	0,7	1,50	15,56	156	66,65	232,2
4 x 10 re	3,08	47	0,9	1,50	19,22	192	111,2	335,6
4 x 16 re	1,91	62	0,9	1,70	21,46	215	178	452,4
4 x 16 rm	1,91	62	0,9	1,70	22,98	230	180,66	524,9
4 x 25 re	1,20	82	1,1	1,70	25,93	260	278	685,4
4 x 25 rm	1,20	82	1,1	1,70	27,83	278	282,27	788
4 x35 re	0,868	101	1,1	1,90	29,24	293	389,33	881,9
4 x35 rm	0,868	101	1,1	1,90	31,51	315	395,2	975,4
4 x 50 re	0,641	126	1,3	1,90	32,88	329	556,26	1160,1
4 x 50 rm	0,641	126	1,3	1,90	35,72	357	564,43	1269,6
4 x 70 rm	0,443	155	1,4	2,10	41,4	414	778,6	1729,7
4 x95 rm	0,320	190	1,6	2,10	46,67	467	1056,8	2237,4
4 x 120 rm	0,253	219	1,6	2,30	50,77	508	1334,9	2742,2
4 x 150 rm	0,206	254	1,8	2,50	54,75	548	1668,5	3302,6
4 x 185 rm	0,164	291	2,0	2,50	60,05	600	2057,9	3993,9
4 x 240 rm	0,125	343	2,2	2,50	63,43	635	2670	5077,1
5 x 2,5 re	12,1	20	0,6	1,50	13,59	136	34,76	162,9
5 x 4 re	7,41	27	0,7	1,50	15,43	154	55,60	222,5
5 x 6 re	5,11	34	0,7	1,50	16,75	168	83,40	275,7
5 x 10 re	3,08	47	0,9	1,50	20,73	208	139,0	401,8
5 x 16 re	1,91	62	0,9	1,70	23,25	233	222,48	568,5

NAYY IEC 60502-1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
5 x 16 rm	1,91	62	0,9	1,70	25,33	253	225,77	630,7
5 x 25 re	1,20	82	1,1	1,90	28,16	282	347,62	857,2
5 x 25 rm	1,20	82	1,1	1,90	30,29	303	352,88	950,1
5 x35 re	0,868	101	1,1	1,90	31,75	318	486,68	1066,8
5 x35 rm	0,868	101	1,1	1,90	34,65	347	493,98	1180,5
5 x 50 re	0,641	126	1,3	1,90	36,19	362	695,25	1409,4
5 x 50 rm	0,641	126	1,3	1,90	38,97	390	705,50	1542,6
5 x 70 rm	0,443	155	1,4	2,10	45,58	455	973,35	2105
5 x95 rm	0,320	190	1,6	2,10	51,07	511	1320,97	2731,9
5 x 120 rm	0,253	219	1,6	2,30	55,66	557	1668,60	3348,8
5 x 150 rm	0,206	254	1,8	2,50	60,47	605	2085,75	4034
5 x 185 rm	0,164	291	2,0	2,50	66,95	670	2572,42	4888,7
3 x 4 + 2,5 re / re	7,41/12,1	29	0,7/0,6	1,50	14,38	144	40,32	179,9
3 x 6 + 4 re / re	5,11/7,41	37	0,7/0,7	1,50	15,76	157	61,18	223,9
3 x 10 + 6 re / re	3,08/5,11	50	0,9/0,7	1,50	18,7	187	100,12	311,1
3 x 16 + 10 re / re	1,91/3,08	67	0,9/0,9	1,50	21,46	215	161,29	428,1
3 x 25 + 16 re / re	1,20/1,91	88	1,1/0,9	1,70	25,93	293	253,73	641,7
3 x35 + 16 re / re	0,868/1,91	109	1,1/0,9	1,70	27,72	277	337,16	764,6
3 x 50 + 25 re / re	0,641/1,20	136	1,3/1,1	1,90	31,22	312	487,72	1053,2
3 x 70 + 35 rm / re	0,443/0,868	167	1,4/1,1	1,90	37,44	375	681,35	1518,9
3 x95 + 50 rm / re	0,320/0,641	204	1,6/1,3	2,10	42,56	426	931,64	2015,4
3 x 120 + 70 rm /rm	0,253/0,443	236	1,6/1,4	2,30	48,78	488	1195,43	2507,3

re - Single-core
rm - Multi-core



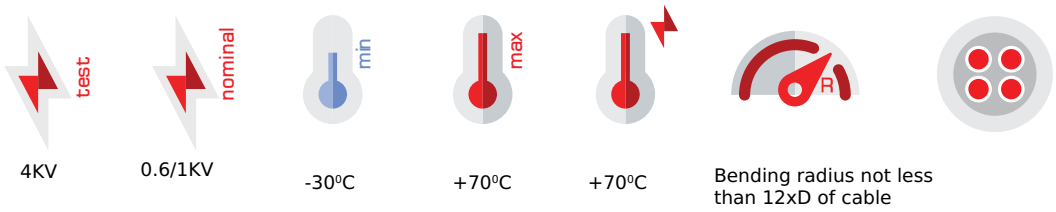


NYY	
STANDARD	IEC 60502-1

Copper Power cable, with PVC insulation and sheat

APPLICATION

For transmission and distribution of electric power at stationary devices with rated voltage 0,660kV and 1 kV frequency 50Hz. For straining in the air where there is no danger of mechanical damage of the cable, also for laying into channels without influence of stretching forces



4KV | 0.6/1KV | -30°C | +70°C | +70°C | Bending radius not less than 12xD of cable

- Installation temperature: -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not be above 160°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- Conductive lobe for long-term allowable heating temperature +70°C

CONSTRUCTION

The aluminum cores with section 2,5-50mm² inclusive are produced with single wire of 1 class flexibility, 70-240mm² inclusive with twisted multi-core wires of 2 class flexibility, according to standard IEC 60502-1. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

- 2,5-16mm²-450m;
- 25-70mm²-300m;
- 95-240mm²-200m

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, date of production. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

NYY IEC 60502-1

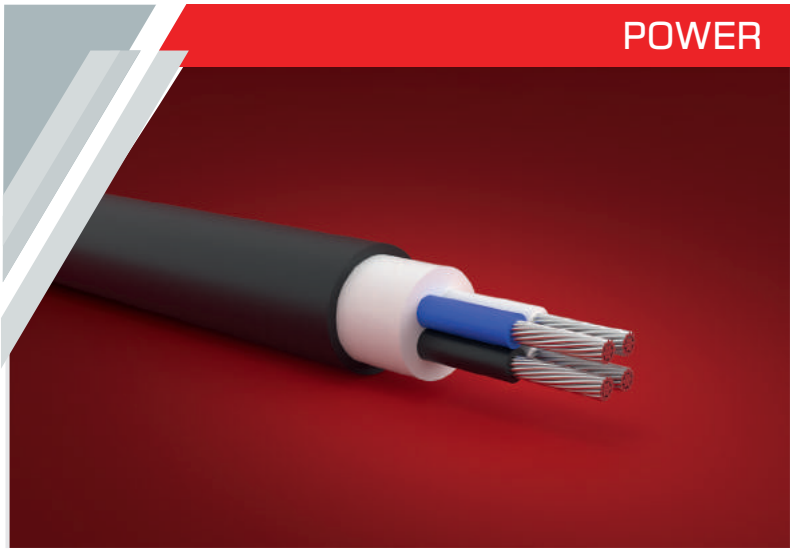
Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1 x 1,5 re	12,1	22	0,6	1,2	5	50	13,4	39,43
1 x 2,5 re	7,41	30	0,6	1,2	5,4	54	22,3	50,82
1 x 4 re	4,61	39	0,7	1,2	6,08	61	35,6	70,09
1 x 6 re	3,08	50	0,7	1,2	6,6	66	53,35	92,07
1 x 10 rm	1,83	68	0,9	1,2	8,2	82	88,9	149,07
1 x 16 rm	1,15	89	0,9	1,5	9,8	98	142,3	225,39
1 x 25 rm	0,727	121	1,1	1,5	11,4	114	222,25	332,77
1 x35 rm	0,524	147	1,1	1,5	12,6	126	311,2	431
1 x 50 rm	0,387	179	1,3	1,5	14,3	143	444,5	573,95
1 x 70 rm	0,268	226	1,4	1,5	16,2	162	622,3	788,85
1 x95 rm	0,193	280	1,5	1,5	18,3	183	844,6	1053,6
1 x 120 rm	0,153	326	1,5	1,7	20	200	1066,8	1315,66
1 x 150 rm	0,124	373	1,6	1,7	22	220	1333,5	1593,02
1 x 185 rm	0,0991	431	1,7	1,9	24,3	243	1644,7	1978,55
1 x 240 rm	0,0754	512	1,9	1,9	26,8	268	2133,6	2554,22
1x300 rm	0,0601	591	2	1,9	29,38	294	2667	3059,4
1x400 rm	0,047	685	2,2	2	33,02	330	3556	3972,44
1x500 rm	0,0366	792	2,4	2	37,2	372	4445	5084,57
1x630 rm	0,0283	910	2,6	2,1	41,65	416	5600	6487,7
3 x 2,5 re	7,41	25	0,6	1,5	11,4	71	68,9	172,04
3 x 4 re	4,61	35	0,7	1,5	12,8	81	110	244,05
3 x 6 re	3,08	42	0,7	1,5	13,3	85	164,85	321,14
3 x 10 rm	1,83	55	0,9	1,5	17,5	116	274,7	538,18
3 x 16 rm	1,15	75	0,9	1,5	19,6	132	439,7	773,1
3 x 25 rm	0,727	95	1,1	1,7	23,4	161	686,75	1191,17
3 x35 rm	0,524	120	1,1	1,7	25,95	180	961,6	1556,16
3 x 50 rm	0,387	145	1,3	1,9	30	210	1373,5	2120,23
3 x 70 rm	0,268	180	1,4	1,9	35	240	1922,9	2926,05
3 x95 rm	0,193	220	1,5	2,1	39,9	277	2609,8	3963,83
3 x 120 rm	0,153	260	1,5	2,3	43	300	3296,4	4929,63
3 x 150 rm	0,124	305	1,6	2,3	44,5	334	4120,5	5974,13
3 x 185 rm	0,0991	350	1,7	2,5	52,1	368	5082,1	7398,95
4 x 1,5 re	12,1	17	0,6	1,5	11,6	72	55,2	158,9
4 x 2,5 re	7,41	23	0,6	1,5	12,55	79	91,87	212,9
4 x 4 re	4,61	32	0,7	1,5	14,15	91	146,67	307,3
4 x 6 re	3,08	39	0,7	1,5	15,3	100	219,8	414,3
4 x 10 rm	1,83	51	0,9	1,5	19,5	131	366,26	689,5
4 x 16 rm	1,15	69	0,9	1,7	22,2	152	586,27	1021,9
4 x 25 rm	0,727	87	1,1	1,7	26	180	915,67	1543
4 x35 rm	0,524	110	1,1	1,9	29,2	204	1282,14	2056,5
4 x 50 rm	0,387	133	1,3	1,9	34,4	236	1831,3	2760,9
4 x 70 rm	0,268	165	1,4	2,1	39,3	272	2563,87	3868,3
4 x95 rm	0,193	202	1,5	2,1	44,4	311	3479,75	5188,3
4 x 120 rm	0,153	239	1,5	2,3	47,8	336	4395,21	6456,2
4 x 150 rm	0,124	281	1,6	2,3	52,8	374	5494,02	7837,7
4 x 185 rm	0,0991	322	1,7	2,5	57,9	412	6776,16	9711,6
4 x 240 rm	0,0754	484	1,9	2,5	63,7	455	8790,43	12578,9
5 x 1,5 re	12,1	17	0,6	1,5	12,4	78	69,01	188,1
5 x 2,5 re	7,41	23	0,6	1,5	13,4	86	114,85	254,6
5 x 4 re	4,61	32	0,7	1,5	15,2	99	183,34	370,6
5 x 6 re	3,08	39	0,7	1,5	16,5	109	274,75	503
5 x 10 rm	1,83	51	0,9	1,5	21,2	144	457,84	842,4
5 x 16 rm	1,15	69	0,9	1,7	24,3	167	732,85	1251,4
5 x 25 rm	0,727	87	1,1	1,9	28,9	202	1144,59	1929,2
5 x35 rm	0,524	110	1,1	1,9	32	225	1602,68	2531,1
5 x 50 rm	0,387	133	1,3	1,9	37,5	259	2289,18	3405,4

NYY IEC 60502-1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
5 x 70 rm	0,268	165	1,4	2,1	42,9	299	3204,85	4776,6
5 x95 rm	0,193	202	1,5	2,1	48,75	343	4349,69	6418,6
5 x 120 rm	0,153	239	1,5	2,3	52,4	371	5494,02	7989,7
5 x 150 rm	0,124	281	1,6	2,5	58,5	416	6867,53	9775
5 x 185 rm	0,0991	322	1,7	2,5	63,8	456	8470,21	12033,5
3 x 2,5 re + 1 x 1,5 re	7,41/12,1		0,6/0,6	1,5	12,55	79	82,7	201,5
3 x 4 re + 1 x 2,5 re	4,61/7,41		0,7/ 0,6	1,5	14,15	91	132,97	287,7
3 x 6 re + 1 x 4 re	3,08/4,61		0,7/ 0,7	1,5	15,2	99	201,52	390,3
3 x 10 rm + 1 x 6 re	1,83/3,08		0,9/ 0,7	1,5	19,3	130	329,65	620,4
3 x 16 rm + 1 x 10 rm	1,15/1,83		0 9/ 0,9	1,7	22	150	531,27	952,8
3 x 25 rm + 1 x1 6 rm	0,727/1.15		1,1 /0,9	1,7	26	180	833,32	1423,1
3 x 35 rm + 1 x1 6 rm	0,524/1,15		1,1/ 0,9	1,9	28,8	201	1108,2	1803,4
3 x 50 rm + 1 x25 rm	0,387/0,727		1,3/ 1,1	1,9	33,3	227	1602,42	2470,23
3 x 70 rm + 1 x35 rm	0,268/0,524		1,4 /1,2	2,1	38,3	265	2443,4	3434,7
3 x 95 rm + 1 x50 rm	0,193/0,387		1,5/ 1,4	2,1	43,3	302	3067,64	4601,8
3 x 120 rm + 1 x70 rm	0,153/0,268		1,5/ 1,4	2,3	46	323	3939,36	5826,68
3 x 150 rm + 1 x70 rm	0,124/0,268		1,6/1,5	2,3	50,3	355	4761,47	6854,46
3 x 185 rm + 1 x95 rm	0,0991/0,193		1,7/1,6	2,5	55,8	396	5951,9	8622,79
3 x 240rm + 1 x120 rm	0,0754/0,153		1,9/1,5	2,5	61,2	437	8051,6	11080,99

re - Single-core
rm - Multi-core





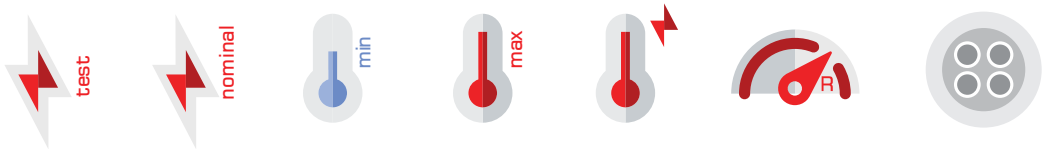
NA2XY	
STANDARD	IEC 60502

Power cable with aluminum core, with cross-linked polyethylene (XLPE) insulation filler and polyvinylchloride sheath

APPLICATION

For laying in ground, open air, in concrete, inside buildings, in cable channels, in electrical stations, in industrial plants and in the commutation systems where there is no danger of mechanical damage of the cable. Because the permissible operating temperature of the conductor is + 90 ^{0}C. Core isolation (XLPE) polyethylene provides higher current load

! - Fire Retardant in Multi layer



0,4.0 kV-50Hz	0,660kV- 1kV-50Hz	-30^{0}C	+70^{0}C	+90^{0}C	Bending radius not less than 12xD of cable

- Installation temperature: not less than -15^{0}C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250^{0}C.
- Conductive lobe for long-term allowable heating temperature +90^{0}C

CONSTRUCTION

The aluminum cores with section 2,5-16mm^2 inclusive are produced of single wire of 1 class flexibility, 25-240mm^2 inclusive with twisted multi-core wires of 2 class flexibility, according to standard IEC 60502. Number of cores in the cable 1,2,3,4,5.

THE CONSTRUCTION LENGTH OF THE CABLES

agreed with the customer

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, date of production. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

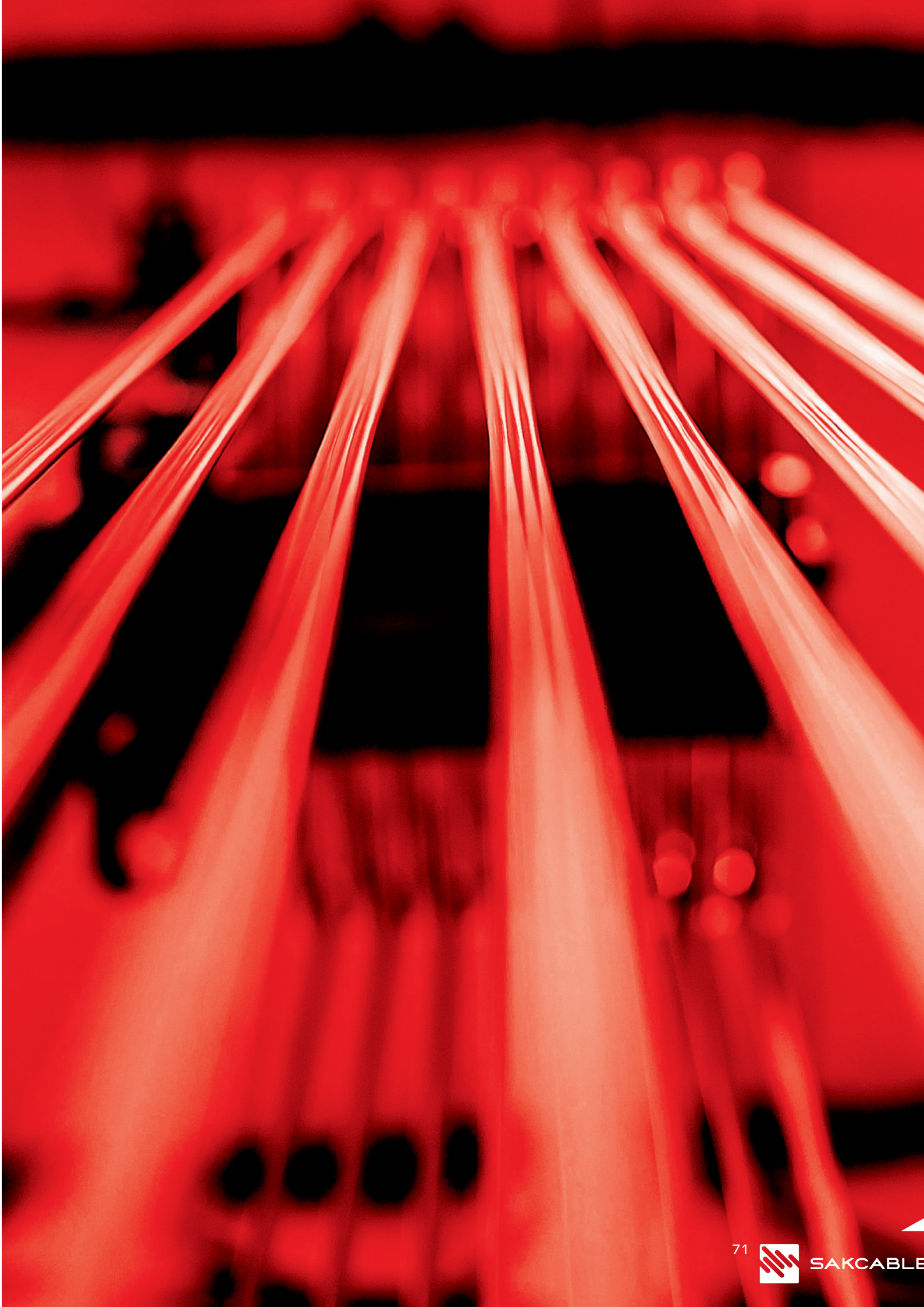
NA2XY DIN VDE 0276 IEC 60502

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
1 x 2,5 re	12,1	26	0,7	1,8	6,73	101	6,75	54,84
1 x 4 re	7,41	35	0,7	1,8	7,2	108	10,80	63,87
1 x 6 re	5,11	43	0,7	1,8	7,7	115	16,20	74,5
1 x 10 re	3,08	58	0,7	1,8	8,45	127	27,0	93,95
1 x 16 re	1,91	79	0,7	1,8	9,4	141	43,20	120,59
1 x 25 rm	1,2	112	0,9	1,8	11,67	175	68,65	174,37
1 x35 rm	0,868	138	0,9	1,8	12,98	195	95,92	217,72
1 x 50 rm	0,641	171	1	1,8	14,3	215	137,0	269,29
1 x 70 rm	0,443	216	1,1	1,8	16,15	242	189	347,89
1 x95 rm	0,32	267	1,1	1,8	17,95	269	256,5	438,17
1 x 120 rm	0,253	313	1,3	1,8	19,85	298	324	534,13
1 x 150 rm	0,206	360	1,4	1,8	21,7	326	405	637,54
1 x 185 rm	0,164	419	1,7	1,8	23,95	359	499,5	777,96
1 x 240 rm	0,125	501	1,8	1,8	26,65	400	648	973,71
1x300 rm	0,1	580	1,8	1,8	29,25	439	810,0	1177,84
1x400 rm	0,778	682	2	1,9	32,79	492	1080,0	1485,61
1x500 rm	0,0605	800	2,2	2,0	36,75	551	1350	1874,85
1x630 rm	0,0469	936	2,4	2,2	41,42	622	1701	2387,63
2X2.5 re	12,1	25	0,7	1,8	10,86	130	13,5	154,01
2X4 re	7,41	34	0,7	1,8	12,4	149	21,6	205,93
2X6 re	5,11	43	0,7	1,8	13,8	166	32,4	260,06
2X10 re	3,08	58	0,7	1,8	15,3	184	54	329,09
2X16 re	1,91	78	0,7	1,8	17,6	211	86,4	446,24
3X2.5 re	12,1	24	0,7	1,8	11,33	136	20,25	164,09
3X4.0 re	7,41	34	0,7	1,8	12,94	155	32,4	220,63
3x6 re	5,11	43	0,7	1,8	14,42	173	48,6	280,24
3x10 re	3,08	58	0,7	1,8	16,43	197	81	378,74
3x16 re	1,91	78	0,7	1,8	18,67	224	129,6	502,71
3x25 rm	1,2	108	0,9	1,8	23,95	287	202,5	790,32
3x35 rm	0,868	134	0,9	1,8	26,77	321	283,5	992,14
3x50 rm	0,641	158	1	1,9	30,41	377	405	1297
3x70 rm	0,443	203	1,1	2	34,98	420	567	1728,74
3x95 rm	0,32	248	1,1	2,1	39,05	474	769,5	2174,92
3x120 rm	0,253	290	1,3	2,3	44,14	530	972	2768,26
3x150 rm	0,206	330	1,4	2,4	48,32	580	1215	3308,58
3x185 rm	0,164	382	1,7	2,5	53,75	645	1498,5	4097,1
3x240 rm	0,125	453	1,8	2,7	59,96	720	2004	5117,29
4X2.5 re	12,1	22	0,7	1,8	12,74	153	27	206,04
4X4.0 re	7,41	32	0,7	1,8	13,88	137	43,2	248,66
4x6 re	5,11	40	0,7	1,8	15,88	191	64,8	335,85
4x10 re	3,08	54	0,7	1,8	18,29	219	108	464,77
4x16 re	1,91	73	0,7	1,8	20,58	247	172,8	603,53
4x25 rm	1,2	100	0,9	1,8	26,65	320	270	957,85
4x35 rm	0,868	125	0,9	1,8	29,81	358	378	1201,62
4x50 rm	0,641	147	1	1,8	33,59	403	540	1547,91
4x70 rm	0,443	189	1,1	2,1	39,05	469	756	2098,85
4x95 rm	0,32	231	1,1	2,2	43,58	523	1026	2638,44
4x120 rm	0,253	270	1,3	2,4	48,56	583	1256	3253,18
4x150	0,206	307	1,4	2,6	53,82	646	1620	3983,48
4x185 rm	0,164	355	1,7	2,7	60,04	720	1998	4959,62
4x240 rm	0,125	421	1,8	2,9	66,95	803	2660	6187,12

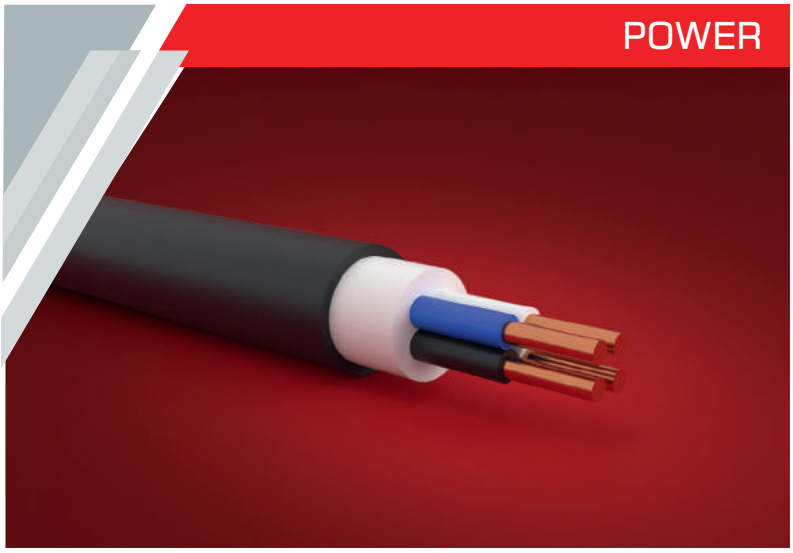
NA2XY DIN VDE 0276 IEC 60502

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
5X2.5 re	12,1	22	0,7	1,8	14,05	168	33,75	247
5X4.0 re	7,41	32	0,7	1,8	15,32	184	54	298,27
5x6 re	5,11	40	0,7	1,8	17,27	207	81	389,37
5x10 re	3,08	54	0,7	1,8	20,1	241	135	551,58
5x16 re	1,91	73	0,7	1,8	22,86	274	216	731,49
5x25 rm	1,2	100	0,9	1,8	29,39	353	2025,5	1133,16
5x35 rm	0,868	125	0,9	1,8	32,93	395	472,5	1422,8
5x50 rm	0,641	147	1	2,1	37,29	447	675	1839,66
5x70 rm	0,443	189	1,1	2,2	42,885	515	945	2445,09
5x95 rm	0,32	231	1,1	2,4	48,145	578	1282,5	3104,62
5x120 rm	0,253	270	1,3	2,5	53,475	642	1620	3801,45
5x150 rm	0,206	307	1,4	2,7	59,27	711	2025	4653,11
5x185 rm	0,164	355	1,7	2,9	66,345	796	2498	5825,92
3X4.0 re +1x2.5 re	7,41/12,1	32	0,7/0,7	1,8	13,88	167	39,15	243,28
3x6 re +1x4 re	5,11/7,41	40	0,7/0,7	1,8	15,88	191	59,4	328,94
3x10 re +1x6 re	3,08/5,11	54	0,7/0,7	1,8	17,69	212	97,20	418,8
3x16 re +1x10 re	1,91/3,08	73	0,7/0,7	1,8	20,58	247	156,60	583,65
3x25 rm +1x16 re	1,20/1,91	100	0,9/0,7	1,8	25,84	310	245,70	857,63
3x35 rm +1x16 re	0,868/1,91	125	0,9/0,7	1,8	28,12	337	326,70	984,69
3x50 rm +1x25 rm	0,641/1,20	147	1,0/0,9	1,9	32,72	393	472,50	1380,13
3x70 rm +1x35 rm	0,443/0,868	189	1,1/0,9	2	37,59	451	661,50	1825,32
3x95 rm +1x50 rm	0,320/0,641	231	1,1/1,0	2,2	42,15	506	904,50	2306,08
3x120 rm +1x70 rm	0,253/0,443	270	1,3/1,1	2,3	46,74	561	1161,0	2829,63
3x150 rm +1x70 rm	0,206/0,443	307	1,4/1,1	2,4	50,16	602	1404,0	3162,86
3x185 rm +1x95 rm	0,164/0,320	355	1,7/1,1	2,6	57,81	694	1755,0	4261,24
3x240 rm +1x120 rm	0,125/0,253	421	1,8/1,3	2,8	64,45	773	2280,0	5291,24

re - Single-core
rm - Multi-core



POWER



N2XH

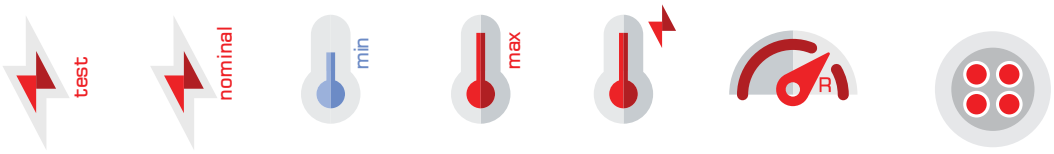
STANDARD	HD 604 S1

Copper Power cable, with XLPE insulation and Halogen free flame retardand sheat

APPLICATION

Low-smoke, zero-halogen, flame-retardant power cable. For fixed indoor installation as well as in concrete, but not for direct burial in ground or application in water

- Fire Retardant in Multi layer
- Cable does not spread suffocating and corrosion gas



4KV | 0.6/1KV | -30°C | +70°C | +90°C | Bending radius not less than 12xD of cable

- Installation temperature: not less than -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +90°C

CONSTRUCTION

The aluminum cores with section 2,5-50mm² inclusive are produced with one wire of 1 class flexibility, 70-240mm² inclusive with twisted multi-core wires 2 class flexibility, according to standard HD 604 S1. According to customer requested, it's possible to produce cross sections 16:50 with multi-core wires. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

- 2.5-16 mm² – 450 M.
- 25-70 mm – 300M
- 95-240 mm – 200 M

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: "JSC Sakcable" cable brand, date of production. Labeling of resistance cores with colors or with numbers

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

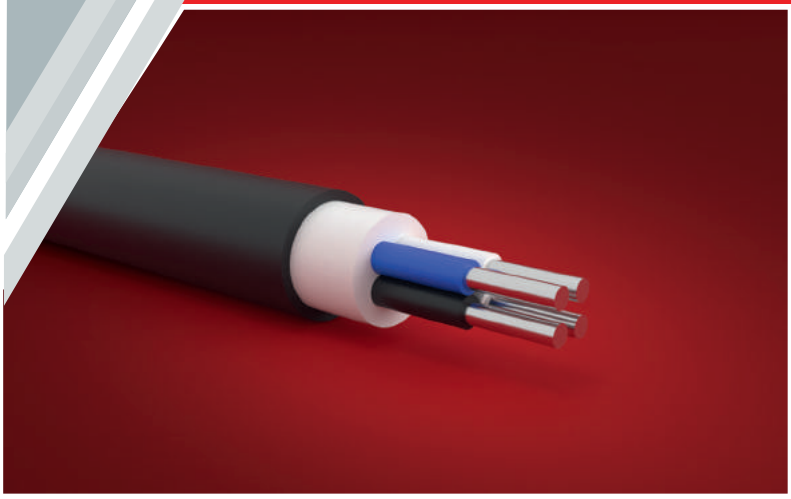
5 years after entering into exploitation, In the proper installation and working conditions

N2XH HD 604 S1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1 x 1,5 re	12,1	28	0,7	1,2	5,15	78	13,4	40,18
1 x 2,5 re	7,41	36	0,7	1,2	5,53	83	22,3	51,37
1 x 4 re	4,61	47	0,7	1,2	5,99	90	35,6	67,61
1 x 6 re	3,08	59	0,7	1,2	6,5	98	53,35	89,08
1 x 10 rm	1,83	82	0,7	1,2	7,79	117	88,9	137,44
1 x 16 rm	1,15	108	0,7	1,2	8,81	132	142,3	196,42
1 x 25 rm	0,727	146	0,9	1,2	10,5	158	222,25	295,06
1 x35 rm	0,524	180	0,9	1,2	11,81	177	311,2	393,09
1 x 50 rm	0,387	220	1	1,2	13,15	198	444,5	515,15
1 x 70 rm	0,268	279	1,1	1,25	15,2	228	622,3	721,81
1 x95 rm	0,193	345	1,1	1,3	17,15	258	844,6	971,8
1 x 120 rm	0,153	403	1,2	1,34	18,93	284	1066,8	1208,89
1 x 150 rm	0,124	464	1,4	1,37	21,01	315	1333,5	1491,31
1 x 185 rm	0,0991	538	1,6	1,4	23,29	350	1644,7	1850,73
1 x 240 rm	0,0754	641	1,7	1,5	26,21	394	2133,6	2403,65
1x300 rm	0,0601	739	1,8	1,6	29,03	436	2667	2996,76
1x400 rm	0,047	860	2	1,6	30,6	459	3356,1	3619,18
2 x 1,5 re	12,1	24	0,7	1,2	8,9	107	26,8	121,28
2 x 2,5 re	7,41	33	0,7	1,2	9,66	116	44,6	152,95
2 x 4 re	4,61	44	0,7	1,2	11,18	134	71,2	217,21
2 x 6 re	3,08	56	0,7	1,2	12,61	152	106,7	292,4
2 x 10 rm	1,83	76	0,7	1,26	15,29	184	177,8	447,04
2 x 16 rm	1,15	101	0,7	1,3	17,83	214	284,6	640,94
2 x 25 rm	0,727	134	0,9	1,38	21,66	260	444,5	968,4
2 x35 rm	0,524	166	0,9	1,43	24,38	293	622,4	1266,13
3 x 1,5 re	12,1	22	0,7	1,2	9,31	112	41,4	237,37
3 x 2,5 re	7,41	29	0,7	1,2	10,13	122	68,9	277,52
3 x 4 re	4,61	41	0,7	1,2	11,72	141	110	255,66
3 x 6 re	3,08	49	0,7	1,22	13,25	159	164,85	450,21
3 x 10 rm	1,83	64	0,7	1,28	16,55	199	274,7	672,72
3 x 16 rm	1,15	87	0,7	1,33	19,04	229	439,7	910,98
3 x 25 rm	0,727	110	0,9	1,41	23,23	279	686,75	1350,21
3 x35 rm	0,524	139	0,9	1,46	26,16	314	961,6	1704,86
4 x 1,5 re	12,1	20	0,7	1,2	10,63	128	55,2	178,61
4 x 2,5 re	7,41	27	0,7	1,2	11,54	139	91,87	230,29
4 x 4 re	4,61	37	0,7	1,21	12,66	152	146,67	305,13
4 x 6 re	3,08	45	0,7	1,25	14,77	178	219,8	440,24
4 x 10 rm	1,83	59	0,7	1,32	18,63	224	366,26	716,61
4 x 16 rm	1,15	80	0,7	1,37	21,19	255	586,27	1004,92
4 x 25 rm	0,727	101	0,9	1,46	26,05	312	915,67	1547,29
4 x35 rm	0,524	128	0,9	1,53	29,33	352	1282,14	2036,2
5 x 1,5 re	12,1	20	0,7	1,2	11,83	142	69,01	218,91
5 x 2,5 re	7,41	27	0,7	1,2	12,85	154	114,85	282,4
5 x 4 re	4,61	37	0,7	1,2	14,09	169	183,34	374,02
5 x 6 re	3,08	45	0,7	1,27	16,22	195	274,75	528,71
5 x 10 rm	1,83	59	0,7	1,36	20,67	248	457,84	872,99
5 x 16 rm	1,15	80	0,7	1,42	23,74	285	732,85	1241,1
\5 x 25 rm	0,727	101	0,9	1,52	28,9	347	1144,59	1883,77
5 x35 rm	0,524	128	0,9	1,59	32,58	391	1602,68	2481,38
3X2.5 re+1x1.5 re	4,61/7,41	35	0.7/0.7	1,2	11,54	139	82,7	221,07
3X4.0 re+1x2.5 re	3,08/4,61	48	0.7/0.7	1,2	12,65	152	132,97	290,87
3x6 re + 1 x4 re	1,83/3,08	58	0.7/0.7	1,25	14,77	178	201,52	421,22
3x10 rm +1x6.0 re	1,15/1,83	93	0.7/0.7	1,31	18,07	217	329,65	643,87
3x16 r +1x10 rm	0,727/1.15	116	0.7/0.7	1,37	21,19	255	531,27	950,35
3x25 rm +1x16 rm	0,524/1,15	162	0.9/0.7	1,45	25,2	303	833,32	1391,01
3x35 rm +1x16 rm	0,387/0,727	197	0.9/0.9	1,49	27,57	331	1108,2	1700,86
3x50 rm +1x25 rm	0,268/0,524	249	1.0/0.9	1,6	33,03	397	1602,42	2458,73
3x70 rm +1x35 rm	0,193/0,387	313	1.1/0.9	1,69	37,71	453	2443,4	3331,02
3x95 rm +1x50 rm	0,153/0,268	377	1.1/1.0	1,78	42,78	595	3067,64	4445,16
3x120 rm +1x70 rm	0,124/0,268	447	1.2/1.1	1,86	46,86	563	3939,36	5526,09
3x150 rm +1x95 rm	0,0991/0,193	510	1.4/1.1	2	54,03	649	4761,47	7208,66
3x185 rm +1x95 rm	0,0754/0,153	592	1.6/1.1	2,07	57,47	690	5951,9	8254,45
3x240 rm +1x120 rm	4,61/7,41	702	1.7/1.2	2,19	64	768	8051,6	10486,11

re - Single-core
rm - Multi-core

POWER



NA2XH

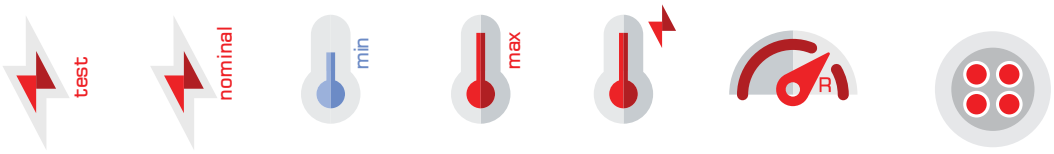
STANDARD	HD 604 S1

Aluminium r Power cable, with XLPE insulation and Halogen free flame retardand sheat

APPLICATION

Low-smoke, zero-halogen, flame-retardant power cable. For fixed indoor installation as well as in concrete, but not for direct burial in ground or application in water

- Fire Retardant in Multi layer
- Cable does not spread suffocating and corrosion gas



4KV | 0.6/1KV | -30°C | +70°C | +90°C | Bending radius not less than 12xD of cable

- Installation temperature: not less than -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +90°C

CONSTRUCTION

The aluminum cores with section 2,5-50mm² inclusive are produced with one wire of 1 class flexibility, 70-240mm² inclusive with twisted multi-core wires 2 class flexibility, according to standard HD 604 S1. According to customer requested, it's possible to produce cross sections 16:50 with multi-core wires. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

- 2.5-16 mm² – 450 M.
- 25-70 mm – 300M
- 95-240 mm – 200 M

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: "JSC Sakcable" cable brand, date of production. Labeling of resistance cores with colors or with numbers

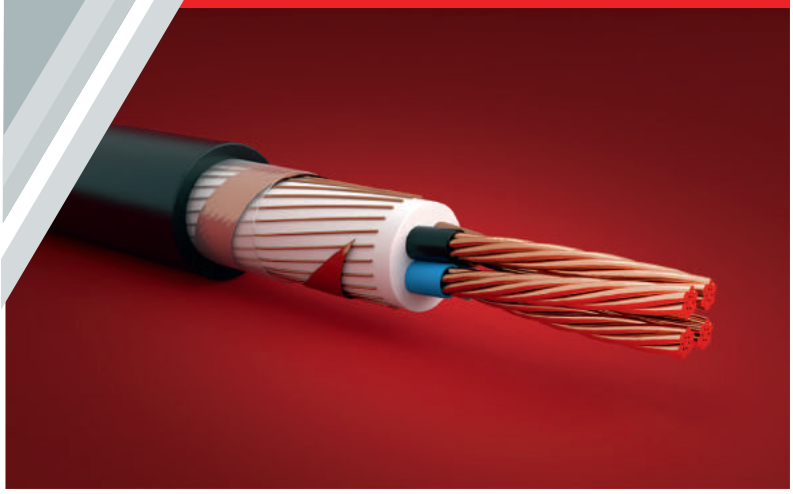
SERVICE LIFETIME | **WARRANTY PERIOD**

N2XH HD 604 S1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1 x 1,5 re	12,1	28	0,7	1,2	5,15	78	13,4	40,18
1 x 2,5 re	7,41	36	0,7	1,2	5,53	83	22,3	51,37
1 x 4 re	4,61	47	0,7	1,2	5,99	90	35,6	67,61
1 x 6 re	3,08	59	0,7	1,2	6,5	98	53,35	89,08
1 x 10 rm	1,83	82	0,7	1,2	7,79	117	88,9	137,44
1 x 16 rm	1,15	108	0,7	1,2	8,81	132	142,3	196,42
1 x 25 rm	0,727	146	0,9	1,2	10,5	158	222,25	295,06
1 x35 rm	0,524	180	0,9	1,2	11,81	177	311,2	393,09
1 x 50 rm	0,387	220	1	1,2	13,15	198	444,5	515,15
1 x 70 rm	0,268	279	1,1	1,25	15,2	228	622,3	721,81
1 x95 rm	0,193	345	1,1	1,3	17,15	258	844,6	971,8
1 x 120 rm	0,153	403	1,2	1,34	18,93	284	1066,8	1208,89
1 x 150 rm	0,124	464	1,4	1,37	21,01	315	1333,5	1491,31
1 x 185 rm	0,0991	538	1,6	1,4	23,29	350	1644,7	1850,73
1 x 240 rm	0,0754	641	1,7	1,5	26,21	394	2133,6	2403,65
1x300 rm	0,0601	739	1,8	1,6	29,03	436	2667	2996,76
1x400 rm	0,047	860	2	1,6	30,6	459	3356,1	3619,18
2 x 1,5 re	12,1	24	0,7	1,2	8,9	107	26,8	121,28
2 x 2,5 re	7,41	33	0,7	1,2	9,66	116	44,6	152,95
2 x 4 re	4,61	44	0,7	1,2	11,18	134	71,2	217,21
2 x 6 re	3,08	56	0,7	1,2	12,61	152	106,7	292,4
2 x 10 rm	1,83	76	0,7	1,26	15,29	184	177,8	447,04
2 x 16 rm	1,15	101	0,7	1,3	17,83	214	284,6	640,94
2 x 25 rm	0,727	134	0,9	1,38	21,66	260	444,5	968,4
2 x35 rm	0,524	166	0,9	1,43	24,38	293	622,4	1266,13
3 x 1,5 re	12,1	22	0,7	1,2	9,31	112	41,4	237,37
3 x 2,5 re	7,41	29	0,7	1,2	10,13	122	68,9	277,52
3 x 4 re	4,61	41	0,7	1,2	11,72	141	110	255,66
3 x 6 re	3,08	49	0,7	1,22	13,25	159	164,85	450,21
3 x 10 rm	1,83	64	0,7	1,28	16,55	199	274,7	672,72
3 x 16 rm	1,15	87	0,7	1,33	19,04	229	439,7	910,98
3 x 25 rm	0,727	110	0,9	1,41	23,23	279	686,75	1350,21
3 x35 rm	0,524	139	0,9	1,46	26,16	314	961,6	1704,86
4 x 1,5 re	12,1	20	0,7	1,2	10,63	128	55,2	178,61
4 x 2,5 re	7,41	27	0,7	1,2	11,54	139	91,87	230,29
4 x 4 re	4,61	37	0,7	1,21	12,66	152	146,67	305,13
4 x 6 re	3,08	45	0,7	1,25	14,77	178	219,8	440,24
4 x 10 rm	1,83	59	0,7	1,32	18,63	224	366,26	716,61
4 x 16 rm	1,15	80	0,7	1,37	21,19	255	586,27	1004,92
4 x 25 rm	0,727	101	0,9	1,46	26,05	312	915,67	1547,29
4 x35 rm	0,524	128	0,9	1,53	29,33	352	1282,14	2036,2
5 x 1,5 re	12,1	20	0,7	1,2	11,83	142	69,01	218,91
5 x 2,5 re	7,41	27	0,7	1,2	12,85	154	114,85	282,4
5 x 4 re	4,61	37	0,7	1,2	14,09	169	183,34	374,02
5 x 6 re	3,08	45	0,7	1,27	16,22	195	274,75	528,71
5 x 10 rm	1,83	59	0,7	1,36	20,67	248	457,84	872,99
5 x 16 rm	1,15	80	0,7	1,42	23,74	285	732,85	1241,1
\5 x 25 rm	0,727	101	0,9	1,52	28,9	347	1144,59	1883,77
5 x35 rm	0,524	128	0,9	1,59	32,58	391	1602,68	2481,38
3X2.5 re+1x1.5 re	4,61/7,41	35	0.7/0.7	1,2	11,54	139	82,7	221,07
3X4.0 re+1x2.5 re	3,08/4,61	48	0.7/0.7	1,2	12,65	152	132,97	290,87
3x6 re + 1 x4 re	1,83/3,08	58	0.7/0.7	1,25	14,77	178	201,52	421,22
3x10 rm +1x6.0 re	1,15/1,83	93	0.7/0.7	1,31	18,07	217	329,65	643,87
3x16 r +1x10 rm	0,727/1.15	116	0.7/0.7	1,37	21,19	255	531,27	950,35
3x25 rm +1x16 rm	0,524/1,15	162	0.9/0.7	1,45	25,2	303	833,32	1391,01
3x35 rm +1x16 rm	0,387/0,727	197	0.9/0.9	1,49	27,57	331	1108,2	1700,86
3x50 rm +1x25 rm	0,268/0,524	249	1.0/0.9	1,6	33,03	397	1602,42	2458,73
3x70 rm +1x35 rm	0,193/0,387	313	1.1/0.9	1,69	37,71	453	2443,4	3331,02
3x95 rm +1x50 rm	0,153/0,268	377	1.1/1.0	1,78	42,78	595	3067,64	4445,16
3x120 rm +1x70 rm	0,124/0,268	447	1.2/1.1	1,86	46,86	563	3939,36	5526,09
3x150 rm +1x95 rm	0,0991/0,193	510	1.4/1.1	2	54,03	649	4761,47	7208,66
3x185 rm +1x95 rm	0,0754/0,153	592	1.6/1.1	2,07	57,47	690	5951,9	8254,45
3x240 rm +1x120 rm	4,61/7,41	702	1.7/1.2	2,19	64	768	8051,6	10486,11

re - Single-core
rm - Multi-core

POWER

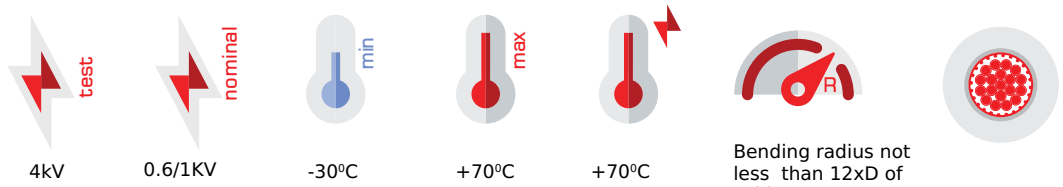


NYCY	
STANDARD	IEC 60502-1

PVC Power cable, with concentric conductor

APPLICATION

For fixed installation indoors, outdoors, in ground and in water



4kV | 0.6/1KV | -30°C | +70°C | +70°C | Bending radius not less than 12xD of cable

- Installation temperature: -5°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions.
- Conductive lobe for long-term allowable heating temperature +70°C.

CONSTRUCTION

The structure of conductor core is single-wire and conforms to 1or 2 class flexibility according to the standard IEC 60502-1.
On fillers of insulated sheaths a round copper wire (10-12) net and copper foil is wound, which performs protective and neutral cores function.
The sections of conductor cores are: 1,5-10,0mm²
Number of conductor cores: 1,5-2,5mm² 4-5-7-10-12-14-19-24.
4-6mm² 4-5-7
10mm² 4-5

THE CONSTRUCTION LENGTH OF THE CABLES

agreed with the customer

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, year of manufacture. Labeling of conductor cores with colors or numbers with inscription on the surface of insulated cores.

SERVICE LIFETIME

not less than 15 years, but in buildings, channels, tunnels 25 years

WARRANTY PERIOD

3 years after entering into service, in case of proper installation and exploitation

NYCY IEC 60502-1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weight [kg/km]	Weight [kg/km]
2X1.5 re/1.5	12,1	28	0,8	1,8	12,7	152	54	167,02
3X1.5 re/1.5	12,1	28	0,8	1,8	13,14	158	73	192,23
4X1.5 re/1.5	12,1	28	0,8	1,8	14,11	169	87	228,43
5X1.5 re/1.5	12,1	28	0,8	1,8	15,17	182	102	267,06
7X1.5 re/1.5	12,1	28	0,8	1,8	16,05	193	139	316,51
8X1.5 re/1.5	12,1	28	0,8	1,8	16,94	203	147	347,62
10X1.5 re/2.5	12,1	28	0,8	1,8	19	228	183	421,87
12X1.5 re/2.5	12,1	28	0,8	1,8	19,44	233	214	464,94
14X1.5 re/2.5	12,1	28	0,8	1,8	20,41	245	244	540,35
16X1.5 re/4.0	12,1	28	0,8	1,8	21,27	255	288	600,94
19X1.5 re/4.0	12,1	28	0,8	1,8	22,35	268	332	683,4
21X1.5 re/6.0	12,1	28	0,8	1,8	23,64	284	369	757,22
24X1.5 re/6.0	12,1	23	0,8	1,8	25,9	311	430	861,82
30X1.5 re/6.0	12,1	23	0,8	1,8	27,11	325	519	1014,98
2X2.5 re/2.5	7,41	36	0,8	1,8	13,46	162	83	192,83
3X2.5 re/2.5	7,41	36	0,8	1,8	13,96	168	112	228,12
4X2.5 re/2.5	7,41	36	0,8	1,8	15,03	180	138	277,35
5X2.5 re/2.5	7,41	36	0,8	1,8	16,19	194	162	329,47
7X2.5 re/2.5	7,41	36	0,8	1,8	17,19	206	208	401,44
8X2.5 re/2.5	7,41	36	0,8	1,8	18,19	218	238	445,09
10X2.5 re/4.0	7,41	36	0,8	1,8	20,52	246	298	553,56
12X2.5 re/4.0	7,41	36	0,8	1,8	21,02	252	348	618,23
14X2.5 re/4.0	7,41	36	0,8	1,8	22,09	265	419	702,75
16X2.5 re/6.0	7,41	36	0,8	1,8	23,45	281	470	779,49
19X2.5 re/6.0	7,41	36	0,8	1,8	24,45	293	523	881,23
21X2.5 re/10.0	7,41	36	0,8	1,8	25,99	312	605	994,31
24X2.5 re/10.0	7,41	36	0,8	1,8	28,32	340	696	1123,65
30X2.5 re/10.0	7,41	36	0,8	1,8	29,89	359	840	1236,18

re - Single-core
rm - Multi-core



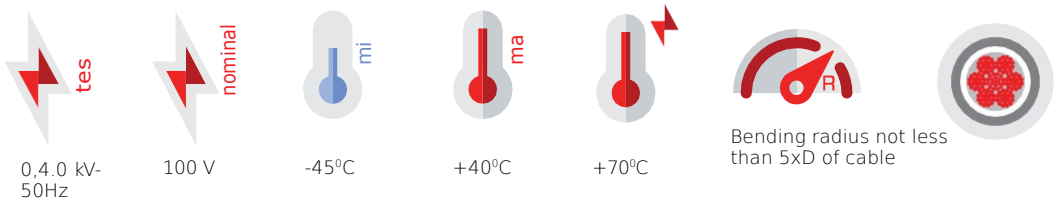


H01N2-D	
STANDARD	EN 50525-2-81

Copper flexible cable with thermoplastic rubber insulation protective sheath

APPLICATION

For connecting automatic and semi-automatic devices of arc welding with source of current



0,4.0 kV-50Hz | 100 V | -45°C | +40°C | +70°C | Bending radius not less than 5xD of cable

- Permitted heating temperature +75°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions

CONSTRUCTION

Conductor cores with section 16-70mm² inclusive are produced with multiple twisted wire (120-396) of 5 class flexibility, according to standard EN 50525-2-81

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

In case of agreement with the customer cables of different construction lengths can be produced

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: "JSC Sakcable" cable brand, date of production. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores

SERVICE LIFETIME

not less than 4 years

WARRANTY PERIOD

6 months after entering into service (no later than 12 months after production)

H01N2-D

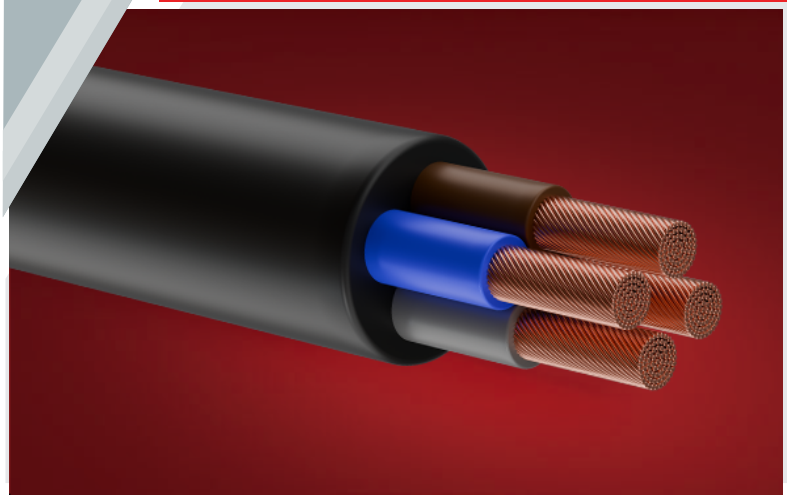
Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1x 16 rm	1,21	100	2,4	10,8	54	154,76	238
1x 25 rm	0,78	140	2,4	12,17	61	238,5	331
1x 35 rm	0,554	170	2,5	14,2	71	339,2	462
1x 50 rm	0,386	215	2,7	15,8	79	481,24	631
1x 70 rm	0,272	270	2,7	17,7	89	678,4	793

re - Single-core
rm - Multi-core



POWER

KG

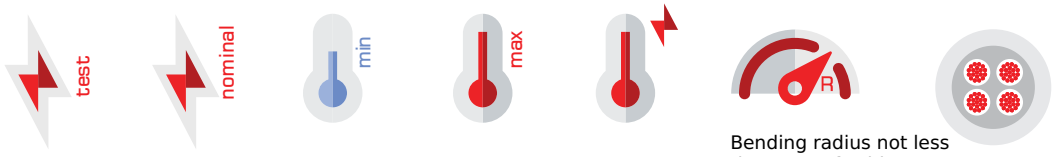


STANDARD Gost 13497-77

Copper flexible cable with thermoplastic rubber insulation and sheath

APPLICATION

For attachment of non-fixed and fixed current collector exploitation



2.5 kV-50Hz | 0,660kV 50Hz | -30°C | +45°C | +70°C | Bending radius not less than 5xD of cable

- Installation temperature: not less than -15°
- Permitted temperature on mean conductor :+70°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions

CONSTRUCTION

Conductor cores with section 1,5-2,5mm² inclusive are produced with multiple twisted wire (7-19) of 4 or 5 class flexibility, 4-70mm² inclusive with twisted multi-core (20-140) wire of 3 and 4 class flexibility, according to standard DIN VDE 0282-4. Number of cores in the cable 1, 2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

- 2.5-16 mm² – 450M.
- 25-70 mm – 300M
- 95-240 mm – 200M

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, date of production. Labeling of conductive cores with colors or figures 0,1,2,3,4 with inscription on the top of insulated cores

SERVICE LIFETIME

not less than 15 years

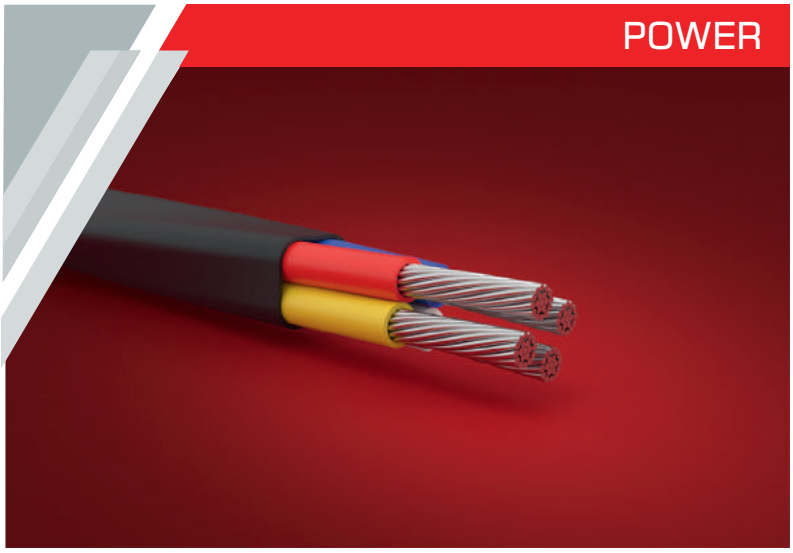
WARRANTY PERIOD

2 years after entering into service

KG

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weght [kg/km]	Weight [kg/km]
1X2.5 rm	8,05	30	0,9	1,4	6,53	33	22,2	59,96
1X4 rm	4,89	41	1	1,5	7,46	37	35,6	82,28
1X6 rm	3,28	50	1	1,6	8,4	42	53,3	110,61
1X10 rm	2	80	1,2	1,8	10,06	50	88,9	169,68
1X16 rm	1,21	100	1,2	1,9	12,1	61	146,56	258,44
1X25 rm	0,776	140	1,4	2	14,18	71	228,9	378,77
1X35 rm	0,547	170	1,4	2,2	16,02	80	320,5	503,67
1X50 rm	0,393	215	1,6	2,4	18	90	457,8	664,14
1X70 rm	0,281	270	1,6	2,6	20,7	104	641	899,95
2X1,5 rm	13,2	19	0,8	1,5	9,15	46	26,6	106,88
2X2.5 rm	8,05	27	0,9	1,7	10,87	54	44,4	156,77
2X4 rm	4,89	38	1	1,8	12,52	63	71,2	215,39
2X6 rm	3,28	50	1	2	14,4	72	106,6	294,59
2X10 rm	2	70	1,2	3,1	19,12	96	177,8	516,16
2X16 rm	1,21	90	1,2	3,3	23,2	116	301,9	788,27
2X25 rm	0,776	115	1,4	3,6	27,56	138	471,23	1152,4
2X35 rm	0,547	140	1,4	3,6	30,44	152	660,2	1467,12
2X50 rm	0,393	175	1,6	4,5	35,4	177	943,1	1997,96
2X70 rm	0,281	215	1,6	4,8	40,6	203	1320,5	2676,6
3X1.5 rm	13,2	19	0,8	1,6	9,81	49	40	106,88
3X2.5 rm	8,05	25	0,9	1,8	11,63	58	66,3	156,77
3X4 rm	4,89	35	1	1,9	13,39	67	106,6	215,39
3X6 rm	3,28	42	1	2,1	15,38	77	160	294,59
3X10 rm	2	55	1,2	3,3	20,49	102	266,7	516,16
3X16 rm	1,21	75	1,2	3,5	24,85	124	452,85	788,27
3X25 rm	0,776	95	1,4	3,8	29,49	147	706,84	1152,4
3X35 rm	0,547	120	1,4	4,1	33,18	166	990,3	1467,12
3X50 rm	0,393	145	1,6	4,5	37,38	187	1414,65	1997,96
3X70 rm	0,281	180	1,6	4,8	42,93	215	1980,75	2676,6
4X1.5 rm	13,2	17	0,8	1,7	10,81	54	53,2	158,73
4X2.5 rm	8,05	23	0,9	1,9	12,8	64	88,8	234,93
4X4 rm	4,89	32	1	2	14,75	74	142,4	326,62
4X6 rm	3,28	39	1	2,3	17,13	86	212,2	457,81
4X10 rm	2	51	1,2	3,4	22,37	112	355,6	784,31
4X16 rm	1,21	69	1,2	3,6	27,2	136	663,8	1201,06
4X25 rm	0,776	87	1,4	4,1	32,73	164	942,46	1801,66
4X35 rm	0,547	110	1,4	4,4	36,8	184	1320,4	2367,79
4X50 rm	0,393	133	1,6	4,8	41,41	207	1886,2	3109,09
4X70 rm	0,281	165	1,6	5,2	47,76	239	2641	4209,43
5X1.5 rm	13,2	17	0,8	1,8	11,9	60	66,5	196,48
5X2.5 rm	8,05	23	0,9	2	14,08	70	111	290,87
5X4 rm	4,89	32	1	2,2	16,44	82	178	412,36
5X6 rm	3,28	39	1	2,5	19,04	95	265,3	575,46
5X10 rm	2	51	1,2	3,6	24,64	123	444,5	973,23
5X16 rm	1,21	69	1,2	3,9	30,21	151	754,7	1508,16
5X25 rm	0,776	87	1,4	4,4	36,29	181	1178,1	2258,03
3X2.5+1X1.5 rm / rm	8.05/13.2	25	0.9/0.8	1,9	12,8	64	79,9	223,04
3X4+1X2.5 rm / rm	4.89/8.05	35	1.0/0.9	2	14,75	74	128,8	310,93
3X6+1X4 rm / rm	3.28/4.89	42	1.0/1.0	2,1	16,73	84	195,6	422,45
3X10+1X6 rm / rm	2/3.28	55	1.2/1.0	3,3	22,17	111	320	730,73
3X16+1X10 rm / rm	1.21/2	75	1.2/1.2	3,5	26,17	131	541,15	1070,53
3X25+1X16 rm / rm	0.776/1.21	95	1.4/1.2	3,8	32,13	161	853,4	1657,48
3X35+1X16 rm / rm	0.547/1.21	120	1.4/1.2	4,4	35,64	178	1138,8	2072,49
3X50+1X25 rm / rm	0.393/0.776	145	1.6/1.4	4,8	40,09	200	1643,5	2756,37
3x70+1x35 rm / rm	0.281/0.547	180	1.6/1.4	5	45,81	229	2301,2	3678,51

re - Single-core
rm - Multi-core



NAYY

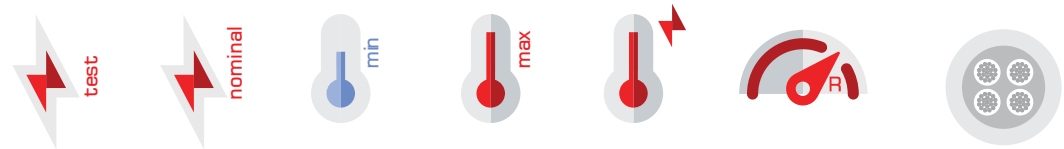
STANDARD	IEC 60502-1

Power cable with aluminum core, polyvinylchloride insulation and polyvinylchloride sheath

! - **NAYY** Fire Retardant in single layer

APPLICATION

For fixed and unfixed installation indoors, outdoors, in ground and in water



0,660kv -3kv 50HZ 1,0kv - 3,5kv 50 HZ	0,660 - 1kV 50HZ	-50°C	+50°C	+70°C	Bending radius not less than 12xD of cable

- Installation temperature: -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not be above 160°C

CONSTRUCTION

The aluminum cores with section 2,5-50mm² inclusive are made of single wire with 1st class flexibility, 70-240mm² inclusive with twisted multi-core wires with 2 class flexibility, according to standard IEC 60502-1. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

nominal section of the main cores: 2,5-up to 16mm² - 450m;
25-up to 70mm² - 300m;
95-up to 240mm² - 200m
In case of supply in drums the construction length is agreed with the customer.

PACKING

On wooden drum or bundles

LABELING

The insulated cores are made of different colors, an inscription is made on the cover of the conductor “JSC Sakcable” cable brand, year of production. Labelling of cores with colors or figures 0,1,2,3,4.

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

NAYY

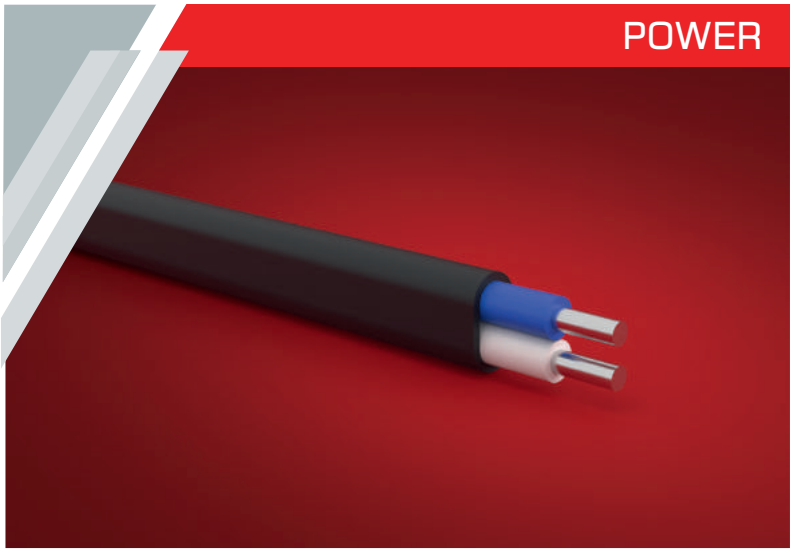
Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
1 x 2,5 re	12,1	22	0,6	1,20	5,4	54	6,75	37,21
1 x 4 re	7,41	30	0,7	1,20	6,3	63	10,8	48,22
1 x 6 re	5,11	37	0,7	1,20	7	70	16,2	57,82
1 x 10 re	3,08	50	0,9	1,50	8,3	83	27	80,49
1 x 16 re	1,91	68	0,9	1,50	9,5	95	43,2	118,59
1 x 16 rm	1,91	68	0,9	1,50	10,2	102	43,84	130,52
1 x 25 re	1,20	92	1,1	1,50	11,1	111	67,5	165,22
1 x 25 rm	1,20	92	1,1	1,50	12	120	68,52	182,22
1 x35 re	0,868	113	1,1	1,50	12,2	122	94,5	201,52
1 x35 rm	0,868	113	1,1	1,50	12,8	128	95,92	222,24
1 x 50 re	0,641	139	1,3	1,50	13,4	134	135	260,67
1 x 50 rm	0,641	139	1,3	1,50	14,1	141	137	284,77
1 x 70 rm	0,443	176	1,4	1,50	16,35	164	189	373,04
1 x95 rm	0,320	217	1,5	1,50	18,3	183	256,5	478,44
1 x 120 rm	0,253	253	1,5	1,70	20,6	206	324	591,73
1 x 150 rm	0,206	290	1,6	1,70	22,1	221	405	696,19
1 x 185 rm	0,164	336	1,7	1,90	24,75	248	499,5	862,05
1 x 240 rm	0,125	401	1,9	1,90	27,7	277	648	1087,35
3 x 2,5 re	12,1	21	0,6	1,50	9,80	74	20,85	97,29
3 x 4 re	7,41	29	0,7	1,50	11,2	84	33,3	129,73
3 x 6 re	5,11	37	0,7	1,50	12,3	93	50	158,24
3 x 10 re	3,08	50	0,9	1,50	14,8	111	83,4	225,63
3 x 16 re	1,91	67	0,9	1,50	16,85	127	133,5	300,99
3 x 16 rm	1,91	67	0,9	1,50	18,3	138	135,5	333,51
3 x 25 re	1,20	88	1,1	1,70	20,1	151	208,57	434,53
3 x 25 rm	1,20	88	1,1	1,70	22,1	166	211,7	502,57
3 x35 re	0,868	109	1,1	1,70	22,6	170	292	561,4
3 x35 rm	0,868	109	1,1	1,70	24,9	187	296,4	644,63
3 x 50 re	0,641	136	1,3	1,90	26,1	196	417,2	761,85
3 x 50 rm	0,641	136	1,3	1,90	28,7	216	423,4	833,56
3 x 70 rm	0,443	167	1,4	1,90	32,55	245	584	1101,13
3 x95 rm	0,320	204	1,5	2,10	37,3	280	792,6	1457,21
3 x 120 rm	0,253	236	1,5	2,10	40,92	307	1001,2	1745,59
3 x 150 rm	0,206	273	1,6	2,30	45,4	341	1251,4	2105,71
3 x 185 rm	0,164	313	1,7	2,50	49	367	1543,45	2590,06
3 x 240 rm	0,125	369	1,9	2,50	56,2	422	2002,3	3279,23
4 x 2,5 re	12,1	20	0,6	1,50	10,56	79	27,8	116,21
4 x 4 re	7,41	27	0,7	1,50	12,18	92	44,4	157,18
4 x 6 re	5,11	34	0,7	1,50	13,4	101	66,65	193,54
4 x 10 re	3,08	47	0,9	1,50	16,2	122	111,2	279,64
4 x 16 re	1,91	62	0,9	1,70	18,45	139	178	377
4 x 16 rm	1,91	62	0,9	1,70	20,53	154	180,66	437,39
4 x 25 re	1,20	82	1,1	1,70	22,55	170	278	571,19
4 x 25 rm	1,20	82	1,1	1,70	24,72	186	282,27	656,69
4 x35 re	0,868	101	1,1	1,90	25,3	190	389,33	734,88
4 x35 rm	0,868	101	1,1	1,90	27,49	207	395,2	812,87
4 x 50 re	0,641	126	1,3	1,90	28,8	216	556,26	966,75
4 x 50 rm	0,641	126	1,3	1,90	31,53	237	564,43	1057,97
4 x 70 rm	0,443	155	1,4	2,10	36,5	274	778,6	1441,4
4 x95 rm	0,320	190	1,5	2,10	41,38	311	1056,8	1864,54
4 x 120 rm	0,253	219	1,5	2,30	45,6	342	1334,9	2285,18
4 x 150 rm	0,206	254	1,6	2,50	49,1	369	1668,5	2752,15
4 x 185 rm	0,164	291	1,7	2,50	54,5	409	2057,9	3328,22
4 x 240 rm	0,125	343	1,9	2,50	61,50	462	2670	4230,88
5 x 2,5 re	12,1	20	0,6	1,50	11,40	86	34,76	135,78
5 x 4 re	7,41	27	0,7	1,50	13,25	100	55,60	185,43

AVVG GOST 16442-80 31996-2012

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
5 x 6 re	5,11	34	0,7	1,50	14,57	110	83,40	229,75
5 x 10 re	3,08	47	0,9	1,50	17,68	133	139,0	334,8
5 x 16 re	1,91	62	0,9	1,70	20,55	154	222,48	473,77
5 x 16 rm	1,91	62	0,9	1,70	22,53	169	225,77	525,55
5 x 25 re	1,20	82	1,1	1,90	25,10	188	347,62	714,31
5 x 25 rm	1,20	82	1,1	1,90	27,20	204	352,88	791,79
5 x35 re	0,868	101	1,1	1,90	27,80	209	486,68	889,03
5 x35 rm	0,868	101	1,1	1,90	30,37	228	493,98	983,79
5 x 50 re	0,641	126	1,3	1,90	31,71	238	695,25	1174,47
5 x 50 rm	0,641	126	1,3	1,90	34,30	257	705,50	1285,51
5 x 70 rm	0,443	155	1,4	2,10	39,70	298	973,35	1754,15
5 x95 rm	0,320	190	1,5	2,10	45,20	339	1320,97	2276,55
5 x 120 rm	0,253	219	1,5	2,30	49,90	374	1668,60	2790,64
5 x 150 rm	0,206	254	1,6	2,50	54,90	412	2085,75	3361,7
5 x 185 rm	0,164	291	1,7	2,50	60,40	453	2572,42	4073,94
5 x 240 rm	0,125	343	1,9	2,50	68,30	512	3337,20	5191,16
3 x 4 + 2,5 re / re	7,41/12,1	29	0,7/ 0,6	1,50	12,25	92	40,32	149,95
3 x 6 + 4 re / re	5,11/7,41	37	0,7/ 0,7	1,50	13,48	101	61,18	186,62
3 x 10 + 6 re / re	3,08/5,11	50	0,9/ 0,7	1,50	15,58	117	100,12	259,24
3 x 16 + 10 re / re	1,91/3,08	67	0 9/ 0,9	1,50	18,55	139	161,29	356,78
3 x 25 + 16 re / re	1,20/1,91	67	1,1 /0,9	1,70	21,95	165	253,73	534,74
3 x35 + 16 re / re	0,868/1,91	88	1,1/ 0,9	1,70	23,50	176	337,16	637,17
3 x 50 + 25 re / re	0,641/1,20	88	1,3/ 1,1	1,90	29,90	224	487,72	877,68
3 x 70 + 35 rm / re	0,443/0,868	109	1,4 /1,2	1,90	34,18	256	681,35	1265,72
3 x95 + 50 rm / re	0,320/0,641	204	1,5/ 1,4	2,10	39,27	295	931,64	1679,51
3 x 120 + 70 rm / rm	0,253/0,443	236	1,5/ 1,4	2,30	43,41	326	1195,43	2089,4
3 x 150 + 95 rm / rm	0,206/0,320	273	1,6/1,5	2,30	47,34	355	1515,64	2526,72
3 x 185 + 95 rm / rm	0,164/0,320	313	1,7/1,6	2,50	52,47	394	1807,65	2997,14
3 x 240 + 120 rm / rm	0,125/0,253	369	1,9/1,5	2,50	59,17	444	2336,00	3081,25

re - Single-core
rm - Multi-core





NAYIFY

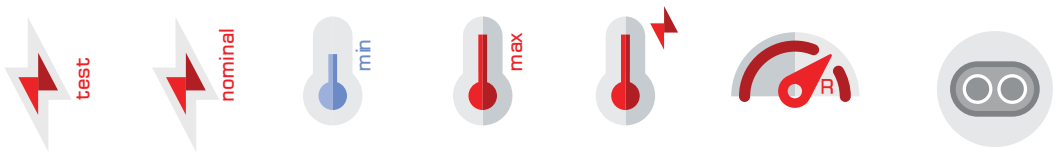
STANDARD	DIN VDE 0250.201

Power cable with aluminum core, polyvinylchloride insulation and polyvinylchloride sheath, flat.

! NAYIFY - Fire Retardant in single layer

APPLICATION

For transmission and distribution of electric power at stationary devices with rated voltage 0,660kV and 1 kV frequency 50Hz. For stretching in the air where there is no danger of mechanical damage of the cable, also for laying into channels without influence of stretching forces



0,660kV-3kV 50Hz 1,0kV-3,5kV 50Hz	0,660kV 1kV-50Hz	-50°C	+50°C	+70°C	Bending radius not less than 10xD of cable

- Installation temperature: -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not be above 160°C

CONSTRUCTION

The aluminum cores with section 2,5-25mm² inclusive are produced of single wire of 1 class flexibility. Number of cores in the cable 2,3.

THE CONSTRUCTION LENGTH OF THE CABLES

in case of supply in bundles the construction length is agreed with the customer.
In case of agreement with the customer cables of different construction lengths can be produced.
2,5-16mm² - up to 450m²
25-300m

PACKING On wooden drum or bundles

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, manufacture year. Labeling of conductive cores with colors or figures 0, 1, 2 inscriptions on the top of insulated cores

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

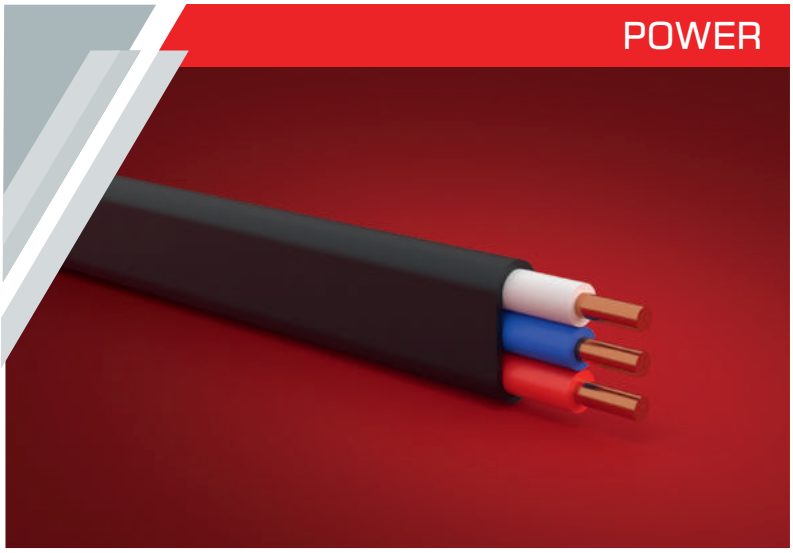
NAYIFY

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
2 x 2.5 re	12,1	25	0,6	1,2	5,52 x 8.40	40	13,5	63,99
2 x 4 re	7,41	34	0,7	1,2	6.00 x 9.50	44	21,6	86,06
2 x 6 re	5,11	43	0,7	1,2	6.56 x 10.70	49	32,4	105,48
2 x 10 re	3,08	58	0,9	1,2	7.75 x 13.10	58	54	151,92
2 x 16 re	1,91	77	0,9	1,5	9.30 x 15.60	70	86,4	222,44
2 x 25 re	1,2	103	1,1	1,5	10.80 x 18.60	81	135	318,72

re - Single-core
rm - Multi-core



POWER



NYIFY

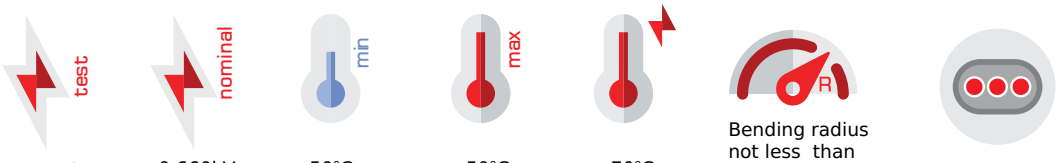
STANDARD	IEC 60227

Power cable with copper core, polyvinylchloride insulation and polyvinylchloride sheath, flat

NYIFY Fire Retardant in single layer

APPLICATION

For transmission and distribution of electric power at stationary devices with rated voltage 0,660kV and 1 kV frequency 50Hz. For stretching in the air where there is no danger of mechanical damage of the cable, also for laying into channels without influence of stretching forces. While laying the cables in a single layer, they are flame retardant



0,660kV-3kV 50Hz 1,0kV-3,5kV 50Hz	0,660kV 1kV-50Hz	-50°C	+50°C	+70°C	Bending radius not less than 7,5xD cable

- Installation temperature: -15°C.
- Conductive lobe for long-term allowable heating temperature +70°C
- The conductor is resistant to 98% relative air humidity under +35°C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not be above 160°C

CONSTRUCTION

The copper cores with section 2,5-25mm² inclusive are produced of single wire of 1 class flexibility, accorgind to standard IEC 60227. Number of cores in the cable 2,3.

THE CONSTRUCTION LENGTH OF THE CABLES

in case of supply in bundles the construction length is agreed with the customer.
On wooden drum no less than 450m.
One batch can contain no more than 20% of cable length not less than 50m.

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, manufacture year. Labeling of conductive cores with colors

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

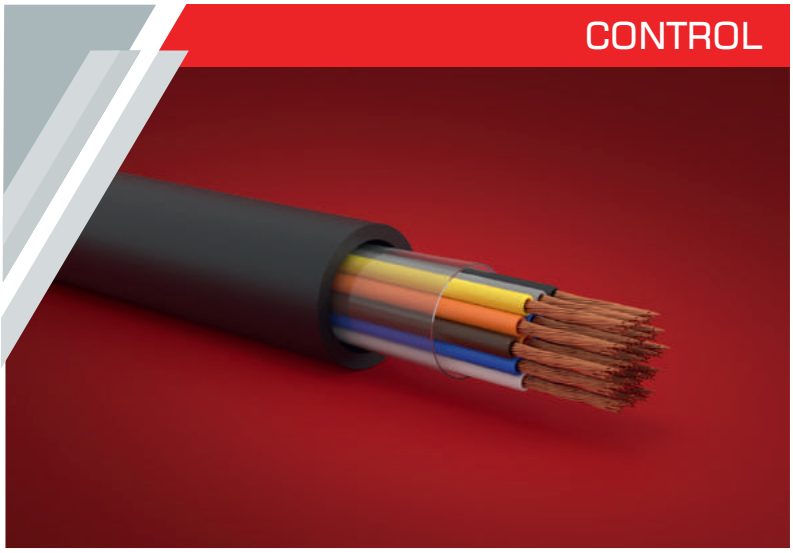
NYIFY

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
2 x 6 re	3,08	56	0,7	1,2	7.30 x 12	55	106,70	195,76
2 x 10 rm	1,83	76	0,9	1,2	8.40 x14.20	62	177,8	296,39
2 x 16 rm	1,15	101	0,9	1,5	9.80 x 16.50	74	284,6	423,3
3 x 6 re	3,08	49	0,7	1,2	7.30 x 16.50	55	160,05	288,61
3 x 10 rm	1,15	66	0,9	1,2	8.40 x 20.40	62	266,70	440,28
2 x 6 +1 x 4 re	3.08/4.61	49	0.7 / 0.7	1,2	7.30 x 15.50	55	142,30	253,36
2 x 10 + 1 x 6 rm	1.83/3.08	66	0.9 / 0.7	1,2	8.40 x17.40	62	231,15	379,99

re - Single-core
rm - Multi-core



CONTROL



YSLY

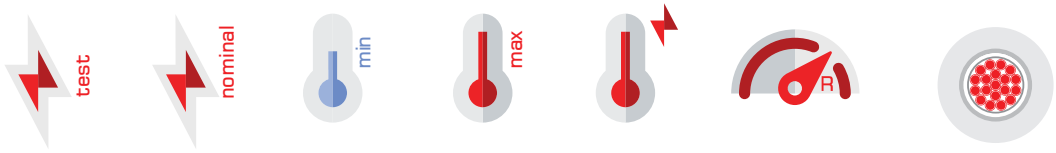
STANDARD	DIN VDE 0281-13

copper control cable with polyvinylchloride insulation and sheath

NYM Fire Retardant in single layer

APPLICATION

For fixed connection on electric appliances, equipment, gathering mounts of electric distribution appliances for rated alternating voltage up to 660V frequency 100Hz, or direct current1000V. Used for laying in buildings, channels, tunnels if there is no danger of mechanical influence



2,5kV 50Hz	0, 660 kV-100Hz	-50°C	+50°C	+70°C	Bending radius not less than 6xD of cable

- Installation temperature: -15°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions.
- Conductive lobe for long-term allowable heating temperature +70°C.

CONSTRUCTION

The structure of conductor core is multi-wire and conforms to 5 class flexibility according to the standard DIN VDE 0281-13. The section of conductor core is 0.75, 1.0, 1.5, 2.5, 4, 6mm².
Number of cores in the cable: 0,75-2,5mm².-4, 5, 7, 10, 14, 19, 27, 37
4 and 6mm²-4, 7, 10

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 150m

PACKING

On wooden drum or bundles

LABELING

In each bundle by existence of counting pair, which differs in color from other cores. Labeling can be done by means of inscription of separate numbers on insulated cores or distinctive colors of insulation can be used. While numeric labeling the color of figures must be different from the color of the insulation of the core. On the surface of the cover an inscription is made: “JSC Sakcable”, cable brand, section and manufacture year

SERVICE LIFETIME

not less than 15 years, but in buildings, channels, tunnels 25 years

WARRANTY PERIOD

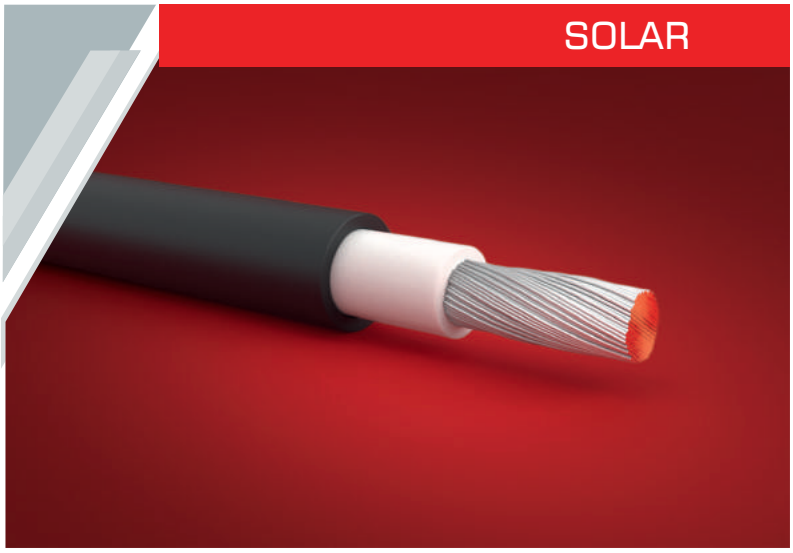
3 years after entering into service, in case of proper installation and exploitation.

YSLY

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weight [kg/km]	Weight [kg/km]
4X1.5	12,1	28	0,6	1,5	9,15	55	55,2	122,17
5X1.5	12,1	28	0,6	1,5	9,89	59	69	145,33
7X1.5	12,1	28	0,6	1,5	10,65	64	96,6	186,99
10X1.5	12,1	28	0,6	1,5	13,2	79	138	258,61
14X1.5	12,1	28	0,6	1,5	14,25	85	193,2	338,78
19X1.5	12,1	28	0,6	1,5	15,75	95	262,2	440,27
24X1.5	12,1	28	0,6	1,7	18,7	112	331,2	564,48
27X1.5	12,1	28	0,6	1,7	19,08	114	372,7	622,32
37X1.5	12,1	28	0,6	1,7	21,25	128	510,7	821,73
4X2.5	7,41	36	0,6	1,5	10,06	60	91,9	168,37
5X2.5	7,41	36	0,6	1,5	10,91	65	114,8	202,25
7X2.5	7,41	36	0,6	1,5	11,79	71	160,8	264,63
10X2.5	7,41	36	0,6	1,5	14,72	88	229,7	368,78
14X2.5	7,41	36	0,6	1,5	15,92	96	321,6	489,89
19X2.5	7,41	36	0,6	1,5	17,65	106	436,4	642,77
24X2.5	7,41	36	0,6	1,7	20,98	126	551,3	821,56
27X2.5	7,41	36	0,6	1,7	21,42	129	620,2	909,75
37X2.5	7,41	36	0,6	1,9	24,31	146	849,9	1233,45



SOLAR



H1Z2Z2-K

STANDARD	EN 50618, EN 50288-3-7, EN 60068-2-78, EN 50395

Standard solar cable, used for the interconnection within photovoltaic systems such as solar panel arrays.

APPLICATION

Harmonised European standard solar cable, used for the interconnection within photovoltaic systems such as solaar panel arrays. It is used for installations where fire, smoke emissions and toxic fumes create potential risk to life and equipment and is suitable for direct burial.



6,5 kV 50Hz	1000v 50Hz	-40°C	+120°C	+120°C	Bending radius not less than 5xD of cable

- Installation temperature: -5°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions..
- Conductive lobe for long-term allowable heating temperature +90°C.

CONSTRUCTION

Class 5 flexible tinned copper conductor with halogen-free cross-linked Insulation and halogen-free cross-linked, flame retardant sheath

THE CONSTRUCTION LENGTH OF THE CABLES

not less than 100m

PACKING

On wooden drum or bundles

LABELING

In each bundle by existence of counting pair, which differs in color from other cores. Labeling can be done by means of inscription of separate numbers on insulated cores or distinctive colors of insulation can be used. While numeric labeling the color of figures must be different from the color of the insulation of the core. On the surface of the cover an inscription is made: “JSC Sakcable”, cable brand, section and manufacture year

SERVICE LIFETIME

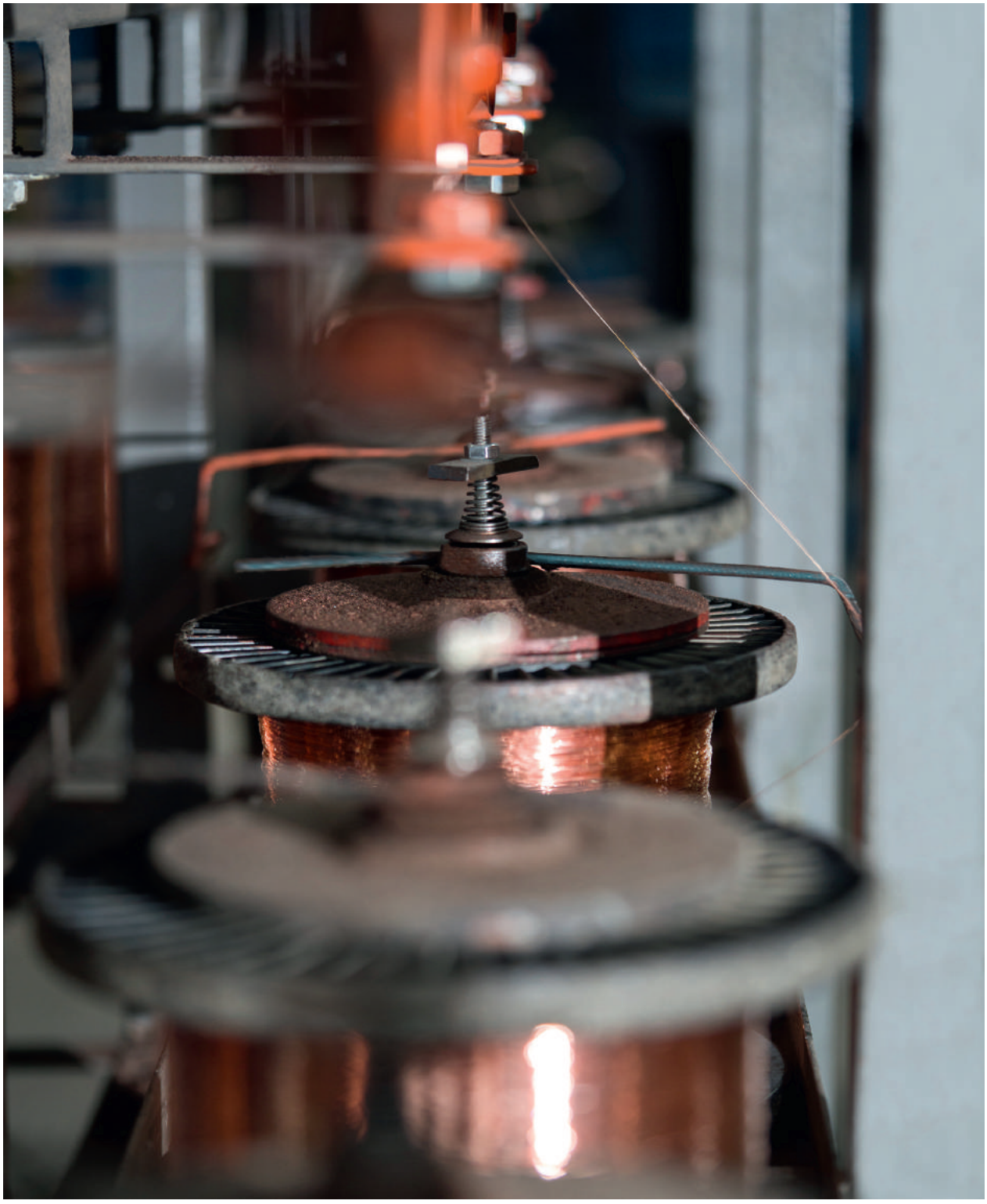
not less than 15 years, but in buildings, channels, tunnels 25 years

WARRANTY PERIOD

3 years after entering into service, in case of proper installation and exploitation.

H1Z2Z2-K EN 50618

NO. OF CORES	Nominal Cross Sectional Area mm2	Maximum Dc Resistance of Conductor At 20°C ohms/km	Current Carrying Capacity Amps Single Cable In Air	Nominal Overall Diameter mm	Nominal weight kg/km
1	4	5.09	55	5.6	62
1	6	3.39	70	6.1	82
1	10	1.95	98	7.1	125



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