

Prysmian
Group

Product catalogue

2019



Prysmian Group, Hungary





Global means local

From the deepest oceans and mines to the farthest satellites orbiting Earth in Space, you'll find products made by us. Prysmian Romania is a proud part of the world's largest global actor in the cable manufacturing business – Prysmian Group. But, no matter how large we are, we live and expand thanks to you, our local customers and business partners. In order to offer you tailor-made solutions we appreciate the importance of understanding local preconditions and your special needs. That's why we believe it's crucial to be present here in Romania, while being backed-up by the capacity the global Group possesses. This business approach has made us the world's largest producer of safe and reliable cables for the power and telecommunication industry.

One company, three brands

The corporate brand operates through three distinct commercial brands incorporating our products and solutions: Prysmian, Draka and General Cable. As three of the market's strongest brands worldwide, they have highly complementary products and services.

On the following pages, we'll present our Romanian based plants and the state-of-the-art cable solutions we develop to meet your every need. And, should we not have the solution you're looking for, we have the facilities, means and expertise to invent them.

Safe cables

Society and its inhabitants demand infinite amounts of electricity – and that means cables. Lots of them. Even though they might look very alike on the outside, cables can vary tremendously in terms of quality and safety – not the least the cables reaction to fire.

To make sure our cables live up to all relevant standards we have a fire laboratory at our plant in Kistelek. In these facilities we make extensive tests to ensure that our cables are safe to use.

Right now, we are investing in the laboratory in order to be able to carry out even more complex tests in a near future.



PRY-CAM PORTABLE



Empower your business by managing, storing and sharing your data safely and effectively.

- Portable, wireless and online partial discharge (pd) measurement

PRY-CAM PORTABLE is an integrated portable instrument for the automatic acquisition, processing and classification of pulse signals generated by PD phenomena occurring in insulating materials of medium and high-voltage electrical systems and equipment, such as transformers, electrical machines, cables systems and switchgear.

PRY-CAM PORTABLE allows you to perform accurate diagnostic measurements and continuous monitoring, without the worry of service interruptions.

Data management

Every single PD measurement can be saved alongside other useful details, such as pictures, recorded messages, GPS coordinates, notes and tags.

Three operating modes

Seamlessly move between basic, advanced and premium operating modes depending on your information needs and PD expertise. You can temporarily upgrade from BASIC to ADVANCED or PREMIUM modes for more detailed diagnosis as and when you need it.

BASIC - Free use

Your PRY-CAM PORTABLE can be used as a reliable PD surveyor with traffic light and simplified PD pattern (recommended for MV).






ADVANCED- Pay-per-use

Provides you with the PD pattern for simple diagnosis only (recommended for MV + HV).

PREMIUM - Pay-per-use

Provides you with the complete PD pattern, including waveforms and frequency spectrum, for any single PD pulse (recommended for MV + HV).

Key features

-  Portable
-  Wireless technology
-  Ultra-wide bandwidth differential field sensor with 0.5 pC sensitivity
-  Accurate acquisition of PD and AC sync
-  No galvanic connection for maximum safety

Why PRY-CAM PORTABLE is better for your business

- 100 % of critical defects detected on HV and MV
- Up to 80 % of faults avoided
- 70 % measurement time saved against traditional technologies
- Up to 5x higher sensitivity on small defects

PRY-CAM Backpack kit

Includes one backpack, one telescopic stick, one tripod, one strap and one car charger, giving you everything you need, even in the most difficult situations.



Our offer

At Prysmian Hungary, we provide customers and communities worldwide with cable solutions based on state-of-the-art technology, consistent excellence in execution and in-depth understanding of the needs of an evolving market. At our plants in Hungary we specialize in different segments within the cable industry. Here follows a mere selection of products illustrating the magnitude and width of our offer.



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Quality at all levels

Your satisfaction is our number one priority. That's how we stay in business and secure future growth. To succeed we have 25 Research & Development Centres of Excellence across ten countries, with more than 600 skilled professionals doing nothing but developing solutions that'll solve your current and future needs. At this point it has generated over 5000 patents.

This approach, to use our global capacity to solve our customers requirements on a local level has led to Prysmian becoming the world leader within our field of business – not to mention all our satisfied customers. We will make sure it stays that way.



Let's put it to the test

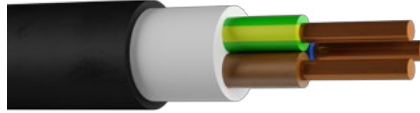
A fundamental part of our cable manufacturing business is to ensure quality is present across every process. This is accomplished by strict monitoring of production processes, from the procurement of raw materials to the delivery of the completed product. It includes making sure our products live up to all relevant standards and regulations as well as the specific requirement stated by our customers – and that includes rigorous and tests.

To ensure all cables will have a long service life we make geometrical tests. We perform electrical tests to secure that the cables will endure and continue to deliver power. We, for example, check the resistance in different temperatures, water absorption and long-term endurance. And, to confirm the cables can withstand harsh conditions we make mechanical tests such as tensile strength, elongation, pressure and cold bend.

We are committed to deliver quality products at all times.

Products

CYKY 450/750 V - Building wires with PVC insulation and PVC sheath

**Application**

Indoor application or outdoor, direct buried, in concrete, in trench or in ducts, protected from solar radiation.

Global data

Standard	TP-KB-03/02 (ČSN 34 7411)
Type designation	CYKY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Inner Sheath	Extruded inner sheath
Outer sheath	PVC outersheath
Available colours	Black
Marking	CYKY-J 4 x 10 RE 450/750 V

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Minimum installation temperature	-5 °C

CYKY 450/750 V - Building wires with PVC insulation and PVC sheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x1,5RE	7	84	12.531	Eca	1001553	100, 500, 1000
2x2,5RE	8.1	120	7.519	Eca	1001553	100, 500, 1000
2x4RE	10	160	4.699	Eca	1001553	500, 1000
2x6RE	11	220	3.133	Eca	1001553	500, 1000
3x1,5RE	7.4	99	12.531	Eca	1001553	100, 500, 1000
3x2,5RE	8.6	145	7.519	Eca	1001553	100, 500, 1000
3x4RE	9.8	204	4.699	Eca	1001553	500, 1000
3x6RE	11.2	282	3.133	Eca	1001553	500, 1000
4x1,5RE	8	120	12.531	Eca	1001553	100, 500, 1000
4x2,5RE	9.4	178	7.519	Eca	1001553	100, 500, 1000
4x4RE	10.7	251	4.699	Eca	1001553	500, 1000
4x6RE	12.3	349	3.133	Eca	1001553	500, 1000
4x10RE	15.5	576	1.88	Eca	1001553	500, 1000
4x16RE	18.1	854	1.175	Eca	1001553	500, 1000
5x1,5RE	8.8	141	12.531	Eca	1001553	100, 500, 1000
5x2,5RE	10.5	216	7.519	Eca	1001553	100, 500, 1000
5x4RE	12.1	310	4.699	Eca	1001553	500, 1000
5x6RE	13.4	416	3.133	Eca	1001553	500, 1000
5x10RE	17	714	1.88	Eca	1001553	500, 1000
5x16RE	19.8	1065	1.175	Eca	1001553	500, 1000
7x1,5RE	9.7	191	12.531	Eca	1001553	100, 500, 1000
7x2,5RE	11.9	298	7.519	Eca	1001553	100, 500, 1000
7x4RE	13.2	412	4.699	Eca	1001553	500, 1000
12x1,5RE	13	318	12.531	Eca	1001553	500, 1000
12x2,5RE	15.5	478	7.519	Eca	1001553	500, 1000
12x4RE	20.1	816	4.699	Eca	1001553	500, 1000
19x1,5RE	15.6	486	12.531	Eca	1001553	500, 1000
19x2,5RE	20.8	863	7.519	Eca	1001553	500, 1000
24x1,5RE	18.5	623	12.531	Eca	1001553	500, 1000
24x2,5RE	24.3	1091	7.519	Eca	1001553	500, 1000
37x1,5RE	21.6	908	12.531	Eca	1001553	500, 1000
37x2,5RE	27.4	1506	7.519	Eca	1001553	500, 1000
48x1,5RE	26.2	1270	12.531	Eca	1001553	500, 1000
48x2,5RE	31.6	1936	7.519	Eca	1001553	500, 1000

AT-N05VV-U (YM-J) 300/500 V - Sheathed cables with solid conductor



Application

Indoor applications, or outdoor laying in trench; in cable duct; protected from solar radiation.

Global data

Standard	ÖVE/ÖNORM E 8242
Type designation	AT-N05VV-U

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded rubber filler
Outer sheath	PVC outersheath
Available colours	Gray
Marking	AT-N05VV-U 3 x 1,5 RE 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

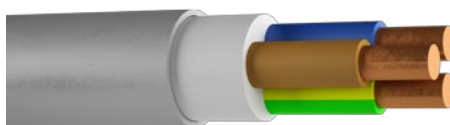
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
3G1,5RE	7.8	110	12.1	100
3G2,5RE	8.9	156	7.41	100
3G4RE	10.1	218	4.61	100
3G6RE	11.6	300	3.08	100
4G1,5RE	8.5	133	12.1	100
4G2,5RE	9.7	192	7.41	100
4G4RE	11.4	278	4.61	100
4G6RE	12.6	373	3.08	1000
4G10RE	15.5	592	1.83	1000
5G1,5RE	9.2	160	12.1	100
5G2,5RE	10.8	236	7.41	100
5G4RE	12.4	333	4.61	1000
5G6RE	13.8	450	3.08	1000
5G10RE	17	718	1.83	1000
7G1,5RE	10.1	208	12.1	1000
7G2,5RE	12	309	7.41	1000

NYM 300/500 V - Sheathed cables with solid conductor



Application

Indoor applications, or outdoor laying in trench; in cable duct; protected from solar radiation.

Global data

Standard	VDE 0250-T.204
Type designation	NYM
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded rubber filler
Outer sheath	PVC outersheath
Available colours	Gray (RAL 7035); black or red colour on request
Marking	NYM-J 3 x 1,5 RE 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

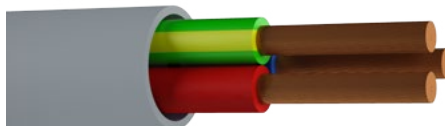
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
3x1,5RE	8.5	125	12.1	Eca	1001563	100
3x2,5RE	9.7	174	7.41	Eca	1001563	100
3x4RE	11.8	262	4.61	Eca	1001563	100
3x6RE	13.2	351	3.08	Eca	1001563	100
4x1,5RE	9.2	157	12.1	Eca	1001563	100
4x2,5RE	10.5	209	7.41	Eca	1001563	100
4x4RE	13.2	349	4.61	Eca	1001563	100
4x6RE	14.6	450	3.08	Eca	1001563	1000
4x10RE	17.1	647	1.83	Eca	1001563	1000
5x1,5RE	9.9	176	12.1	Eca	1001563	100
5x2,5RE	11.4	251	7.41	Eca	1001563	100
5x4RE	14.3	405	4.61	Eca	1001563	1000
5x6RE	15.8	523	3.08	Eca	1001563	1000
5x10RE	18.7	790	1.83	Eca	1001563	1000
7x1,5RE	11.6	245	12.1	Eca	1001563	1000
7x2,5RE	13.9	363	7.41	Eca	1001563	1000

H05VV5-F 300/500 V - Multicore, flexible, PVC insulated, oil resistant signal/control cables



Application

Indoor application, household appliances, fix installation in ducts

Global data

Standard	EN 50525 2-51
Type designation	H05VV5-F

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	Oil resistant PVC outersheath
Available colours	Gray
Marking	H05VV5-F 5G2,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
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Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

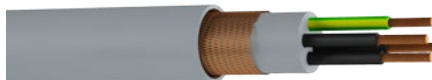
Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

H05VV5-F 300/500 V - Multicore, flexible, PVC insulated, oil resistant signal/control cables

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2G0,5	5.5	42	39	100, 500, 1000
2G0,75	6.1	54	26	100, 500, 1000
2G1	6.5	62	19.5	100, 500, 1000
2G1,5	7.4	83	13.3	100, 500, 1000
2G2,5	8.8	123	7.98	100, 500, 1000
3G0,5	5.9	50	39	100, 500, 1000
3G0,75	6.5	64	26	100, 500, 1000
3G1	6.9	75	19.5	100, 500, 1000
3G1,5	8.1	105	13.3	100, 500, 1000
3G2,5	9.6	155	7.98	100, 500, 1000
4G0,5	6.6	63	39	100, 500, 1000
4G0,75	7.1	77	26	100, 500, 1000
4G1	7.5	90	19.5	100, 500, 1000
4G1,5	8.8	127	13.3	100, 500, 1000
4G2,5	10.7	195	7.98	100, 500, 1000
5G0,5	7.2	77	39	100, 500, 1000
5G0,75	7.9	98	26	100, 500, 1000
5G1	8.4	115	19.5	100, 500, 1000
5G1,5	9.8	161	13.3	100, 500, 1000
5G2,5	11.7	240	7.98	100, 500, 1000
7G0,5	8.6	110	39	100, 500, 1000
7G0,75	9.5	140	26	100, 500, 1000
7G1	10	163	19.5	100, 500, 1000
7G1,5	12	234	13.3	100, 500, 1000
7G2,5	14.2	347	7.98	100, 500, 1000
10G0,5	10.3	138	39	500, 1000
10G1	12.1	212	19.5	500, 1000
12G0,5	10.8	163	39	500, 1000
12G0,75	11.7	202	26	500, 1000
12G1	12.5	243	19.5	500, 1000
12G1,5	14.7	340	13.3	500, 1000
12G2,5	17.6	516	7.98	500, 1000
18G0,5	12.8	237	39	500, 1000
18G0,75	14	302	26	500, 1000
18G1	14.8	356	19.5	500, 1000
18G1,5	17.5	505	13.3	500, 1000
18G2,5	21.2	775	7.98	500, 1000
25G0,5	15.6	321	39	500, 1000
25G0,75	17	407	26	500, 1000
25G1	18	481	19.5	500, 1000
25G1,5	21.5	691	13.3	500, 1000
25G2,5	25.9	1052	7.98	500, 1000
34G0,5	17.5	426	39	500, 1000
34G0,75	19.1	541	26	500, 1000
34G1	20.4	651	19.5	500, 1000
34G1,5	24.3	929	13.3	500, 1000
34G2,5	29.2	1413	7.98	500, 1000
50G0,75	23.1	787	26	500, 1000
50G1	24.6	943	19.5	500, 1000
50G1,5	29.2	1337	13.3	500, 1000
50G2,5	34.4	1978	7.98	500, 1000

H05VVC4V5-K 300/500 V - Multicore, PVC insulated, screened, oil resistant signal/control cables



Application

Indoor application, domestic appliances, fix installation in conduits, laying in trench or in cable ducts.

Global data

Standard	EN 50525 2-51
Type designation	H05VVC4V5-K

Design features

Conductor	Flexible copper conductor IEC 60228 cl.5
Insulation	PVC insulation
Overall screen	Braided screen
Outer sheath	Oil resistant PVC sheath
Available colours	Gray
Marking	H05VVC4V5-K 3G1,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

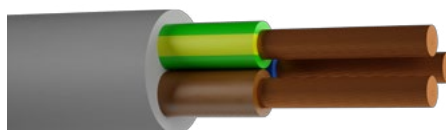
Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

H05VVC4V5-K 300/500 V - Multicore, PVC insulated, screened, oil resistant signal/control cables

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	8.1	99	39	500, 1000
2x0,75	8.5	110	26	500, 1000
2x1	8.8	121	19.5	500, 1000
2x1,5	9.9	154	13.3	500, 1000
3x0,5	8.4	110	39	500, 1000
3x0,75	8.9	126	26	500, 1000
3x1	9.4	142	19.5	500, 1000
3x1,5	10.4	177	13.3	500, 1000
3x2,5	12	243	7.98	500, 1000
4x0,5	8.9	123	39	500, 1000
4x0,75	9.7	151	26	500, 1000
4x1	10.1	166	19.5	500, 1000
4x1,5	11.4	216	13.3	500, 1000
4x2,5	13.3	299	7.98	500, 1000
5x0,5	9.7	149	39	500, 1000
5x0,75	10.4	172	26	500, 1000
5x1	11	197	19.5	500, 1000
5x1,5	12.7	262	13.3	500, 1000
5x2,5	14.8	381	7.98	500, 1000
7x0,5	11.3	198	39	500, 1000
7x0,75	12.2	233	26	500, 1000
7x1	12.9	269	19.5	500, 1000
7x1,5	14.8	370	13.3	500, 1000
7x2,5	17.3	513	7.98	500, 1000
12x0,5	13.9	299	39	500, 1000
12x0,75	14.5	321	26	500, 1000
12x1	15.6	394	19.5	500, 1000
12x1,5	17.8	513	13.3	500, 1000
12x2,5	21	739	7.98	500, 1000
18x0,5	15.6	386	39	500, 1000
18x0,75	17	471	26	500, 1000
18x1	17.8	532	19.5	500, 1000
18x1,5	20.6	713	13.3	500, 1000
18x2,5	24.6	1037	7.98	500, 1000
25x0,5	18.9	523	39	500, 1000
25x0,75	20.3	622	26	500, 1000
25x1	21.3	715	19.5	500, 1000
25x1,5	24.8	959	13.3	500, 1000
25x2,5	29.3	1391	7.98	500, 1000
34x0,75	22.4	783	26	500, 1000
34x1	24	914	19.5	500, 1000
34x1,5	28.1	1273	13.3	500, 1000

H03VV-F 300/300 V - Flexible cords



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525 2-11
Type designation	H03VV-F

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	White, black, gray, orange, red
Marking	H03VV-F 2 x 0,5 300/300 V white

Electrical parameters

Rated voltage	300/300 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Diameter over insulation mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	0.5	1.9	0.6	4.9	36	39	100, 1000
2x0,75	0.5	2.1	0.6	5.3	44	26	100, 1000
3x0,5	0.5	1.9	0.6	5.2	43	39	100, 1000
3x0,75				5.7	53	26	100, 1000
4x0,5				5.7	51	39	100, 1000
4x0,75				6.2	65	26	100, 1000

H03VVH2-F 300/500 V - Flexible cords



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525 2-11
Type designation	H03VVH2-F

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	White, black, gray, orange, red
Marking	H03VVH2-F 2 x 0,5 300/500 V white

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

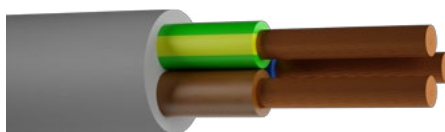
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Diameter over insulation mm	Outer Sheath Thickness nom. mm	Max. Height (for flat cable) mm	Max. Width (for flat cable) mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	0.5	1.9	0.6	3.1	4.9	27	39	100, 1000
2x0,75	0.5	2.1	0.6	3.3	5.3	33	26	100, 1000

H05VV-F 300/500 V - Flexible cords



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525 2-11
Type designation	H05VV-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	White, black, gray, orange, red
Marking	H05VV-F 2 x 0,75 300/500 V white

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Diameter over insulation mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x0,75	0.6	2.3	0.8	6.1	55	26	Eca	1001839	100, 500
2x1	0.6	2.5	0.8	6.5	63	19.5	Eca	1001839	100, 500
2x1,5	0.7	3	0.8	7.4	84	13.3	Eca	1001839	100, 500
2x2,5				9	129	7.98	Eca	1001839	100, 500
2x4				10.3	176	4.95	Eca	1001839	100, 500
3x0,75	0.6	2.3	0.8	6.5	65	26	Eca	1001839	100, 500
3x1	0.6	2.5	0.8	6.9	75	19.5	Eca	1001839	100, 500
3x1,5	0.7	3	0.9	8.1	106	13.3	Eca	1001839	100, 500
3x2,5	0.8	3.6	1.1	9.8	162	7.98	Eca	1001839	100, 500
3x4				11.1	223	4.95	Eca	1001839	100, 500
4x0,75	0.6	2.3	0.8	7.1	78	26	Eca	1001839	100, 500
4x1	0.6	2.5	0.9	7.7	95	19.5	Eca	1001839	100, 500
4x1,5	0.7	3	1	9	133	13.3	Eca	1001839	100, 500
4x2,5	0.8	3.6	1.1	10.7	197	7.98	Eca	1001839	100, 500
4x4				12.2	277	4.95	Eca	1001839	100, 500
5x0,75	0.6	2.3	0.9	7.9	99	26	Eca	1001839	100, 500
5x1	0.6	2.5	0.9	8.4	116	19.5	Eca	1001839	100, 500
5x1,5	0.7	3	1.1	10	167	13.3	Eca	1001839	100, 500
5x2,5				11.9	247	7.98	Eca	1001839	100, 500
5x4				13.5	343	4.95	Eca	1001839	100, 500

H05VVH2-F 300/500 V - Flexible cords



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525 2-11
Type designation	H05VVH2-F

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	White, black, gray, orange, red
Marking	H05VVH2-F 2 x 0,75 300/500 V white

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

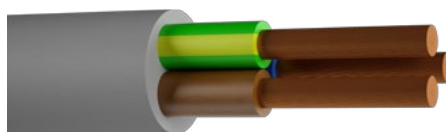
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,75	41	26	100, 1000
2x1	50	19.5	100, 1000

A05VV-F 300/500 V - Flexible cords



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525 2-11
Type designation	A05VV-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	White, black, gray, orange, red
Marking	A05VV-F 2 x 6 300/500 V white

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x6	11.5	235	3.3	Eca	1001839	100, 500
2x10	14.6	387	1.91	Eca	1001839	100, 500
3x6	12.7	304	3.3	Eca	1001839	100, 500
3x10	15.6	485	1.91	Eca	1001839	100, 500
4x6	13.8	379	3.3	Eca	1001839	100, 500
4x10	17.1	610	1.91	Eca	1001839	100, 500
5x6	15.2	462	3.3	Eca	1001839	100, 500
5x10	18.8	747	1.91	Eca	1001839	50, 500

H05V2-K 300/500 V - Single core, non-sheathed wires with PVC insulation



Application

Indoor application, household appliances, indoor fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H05V2-K

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	Increased heat resistant PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V2-K)
Marking	H05V2-K 1 x 0,5 300/500 V black

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

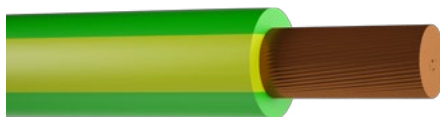
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
1x0,5	2.2	9	39	200
1x0,75	2.4	11	26	200
1x1	2.5	14	19.5	200

H07V2-K 450/750 V - Single core, non-sheathed wires with PVC insulation



Application

Indoor application, household appliances, indoor fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H07V2-K

Design features

Conductor	Flexible copper conductor IEC 60228 Cl.5
Insulation	Increased heat resistant PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V2-K)
Marking	H07V2-K 1 x 2,5 450/750 V black

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	2,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
1x1,5	3	20	13.3	100
1x2,5	3.6	31	7.98	100
1x4	4.1	45	4.95	100
1x6	4.7	63	3.3	100
1x10	6	108	1.91	100, 500
1x16	7.2	163	1.21	100, 500
1x25	8.9	251	0.78	100, 500, 1000
1x35	10.7	353	0.554	500, 1000
1x50	13.1	511	0.386	500, 1000
1x70	15	708	0.272	500, 1000
1x95	17.3	922	0.206	500, 1000
1x120	19.3	1175	0.161	500, 1000
1x150	21.5	1469	0.129	500, 1000
1x185	23.6	1762	0.106	500, 1000
1x240	26.8	2331	0.0801	500, 1000
1x300	29.9	2912	0.0641	500

H05V-K 300/500 V - Single core nonsheathed cables with flexible conductors



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H05V-K

Design features

Conductor	Stranded copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V-K)
Marking	H05V-K 1 x 2,5 300/500 V black

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

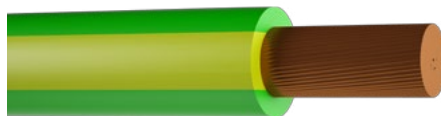
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x0,5	2.2	9	39	Eca	1001838	200
1x0,75	2.4	12	26	Eca	1001838	200
1x1	2.5	14	19.5	Eca	1001838	200

H07V-K 450/750 V - Single core nonsheathed cables with flexible conductors



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H07V-K
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Stranded copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V-K)
Marking	H07V-K 1 x 2,5 450/750 V black

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	2,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x1,5	3	20	13.3	Eca	1001840	100
1x2,5	3.6	32	7.98	Eca	1001840	100
1x4	4.1	46	4.95	Eca	1001840	100
1x6	4.7	64	3.3	Eca	1001840	100
1x10	6	109	1.91	Eca	1001840	100, 500
1x16	7.2	164	1.21	Eca	1001840	100, 500
1x25	8.9	254	0.78	Eca	1001840	100, 500, 1000
1x35	10.7	357	0.554	Eca	1001840	500, 1000
1x50	13.1	517	0.386	Eca	1001840	500, 1000
1x70	15	715	0.272	Eca	1001840	500, 1000
1x95	17.3	932	0.206	Eca	1001840	500, 1000
1x120	19.3	1185	0.161	Eca	1001840	500, 1000
1x150	21.5	1482	0.129	Eca	1001840	500, 1000
1x185	23.6	1778	0.106	Eca	1001840	500, 1000
1x240	26.8	2350	0.0801	Eca	1001840	500, 1000
1x300	29.5	2904	0.0641	Eca	1001840	500

H05V-U 300/500 V - Single core nonsheathed wires with solid conductors



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H05V-U
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Solid copper conductor IEC 60228 Cl.1
Insulation	PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V-U)
Marking	H05V-U 1 x 0,5 300/500 V black

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x0,5	2.1	9	36	Eca	1003567	100, 200
1x0,75	2.2	11	24.5	Eca	1003567	100, 200
1x1	2.4	14	18.1	Eca	1003567	100, 200

H07V-U 450/750 V - Single core nonsheathed wires with solid conductors



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H07V-U
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Solid copper conductor IEC 60228 Cl.1
Insulation	PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V-U)
Marking	H07V-U 1 x 2,5 450/750 V black

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	2,5 kV

Chemical parameters

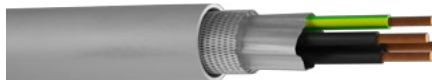
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x1,5	2.8	20	12.1	Eca	1001841	100, 200
1x2,5	3.4	31	7.41	Eca	1001841	100, 200
1x4	3.9	46	4.61	Eca	1001841	100, 200
1x6	4.4	64	3.08	Eca	1001841	100, 200
1x10	5.6	108	1.83	Eca	1001841	100, 500

YSLCY 300/500 V - Multicore, flexible, PVC insulated and PVC sheathed screened control cables



Application

Indoor applications, domestic appliances in conduits, laying in trench or in cable ducts; fix installation

Global data

Standard	PRDS 01/2010 internal specification based on EN 50525-2-51 standard, except for reduced wall thickness and the normal TM2 outersheath material
Type designation	YSLCY

Design features

Conductor	Flexible copper conductor IEC 60228 cl.5
Insulation	PVC insulation
Separator	PET tape
Overall screen	Braided tinned copper wire screen
Outer sheath	PVC outersheath
Available colours	Gray
Marking	YSLCY-J 5 x 2,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

YSLCY 300/500 V - Multicore, flexible, PVC insulated and PVC sheathed screened control cables

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	5.5	47	39	500, 1000
2x0,75	6.1	56	26	500, 1000
2x1	6.4	66	19.5	500, 1000
2x1,5	7	78	13.3	500, 1000
2x2,5	8.4	112	7.98	500, 1000
2x4	9.5	148	4.95	500, 1000
2x6	11.4	214	3.3	500, 1000
3x0,5	5.8	55	39	500, 1000
3x0,75	6.3	66	26	500, 1000
3x1	6.7	78	19.5	500, 1000
3x1,5	7.5	95	13.3	500, 1000
3x2,5	9.1	147	7.98	500, 1000
3x4	10.8	211	4.95	500, 1000
3x6	12.2	287	3.3	500, 1000
4x0,5	6.4	67	39	500, 1000
4x0,75	6.8	80	26	500, 1000
4x1	7.2	89	19.5	500, 1000
4x1,5	8.1	121	13.3	500, 1000
4x2,5	9.8	180	7.98	500, 1000
4x4	11.5	256	4.95	500, 1000
4x6	13.9	378	3.3	500, 1000
4x10	17.3	601	1.91	500, 1000
4x16	20.4	864	1.21	500, 1000
4x25	24.5	1305	0.78	500, 1000
4x35	29.2	1790	0.554	500, 1000
5x0,5	6.9	80	39	500, 1000
5x0,75	7.6	100	26	500, 1000
5x1	8	116	19.5	500, 1000
5x1,5	9	152	13.3	500, 1000
5x2,5	10.9	226	7.98	500, 1000
5x4	12.7	322	4.95	500, 1000
5x6	15	450	3.3	500, 1000
5x10	18.7	724	1.91	500, 1000
5x16	22.6	1095	1.21	500, 1000
5x25	26.9	1614	0.78	500, 1000
7x0,5	7.6	103	39	500, 1000
7x0,75	8.2	120	26	500, 1000
7x1	8.7	139	19.5	500, 1000
7x1,5	9.8	188	13.3	500, 1000
7x2,5	12	292	7.98	500, 1000
7x4	14.2	434	4.95	500, 1000
7x6	16.6	589	3.3	500, 1000
12x0,5	9.5	150	39	500, 1000
12x0,75	10.4	189	26	500, 1000
12x1	11.4	233	19.5	500, 1000
12x1,5	13	313	13.3	500, 1000
12x2,5	15.8	488	7.98	500, 1000
18x0,5	11.4	220	39	500, 1000

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
18x0,75	12.6	283	26	500, 1000
18x1	13.8	363	19.5	500, 1000
18x1,5	15.4	455	13.3	500, 1000
18x2,5	18.9	716	7.98	500, 1000
25x0,5	13.8	313	39	500, 1000
25x0,75	14.8	389	26	500, 1000
25x1	16.2	481	19.5	500, 1000
25x1,5	17.7	589	13.3	500, 1000

YSLY 300/500 V - Multicore, PVC insulated, control cables



Application

Indoor application, domestic appliances, fix installation in conduits, laying in trench or in cable ducts.

Global data

Standard	PRDS 01/2010 internal specification based on EN 50525-2-51 standard, except for reduced wall thickness and the normal TM2 outersheath material
Type designation	YSLY

Design features

Conductor	bare copper, fine wire stranded acc. to IEC 60228 Cl. 5
Conductor class	Class 5, multistranded (F)
Insulation	PVC TI2
Outer sheath	PVC TM2
Available colours	Grey
Marking	YSLY-J 5 x 2,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2,5 kV

Chemical parameters

Humidity	3K6 acc. to IEC 60721-3-3
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C
Ambient temperature for fix installation min.	-40 °C
Ambient temperature for fix installation max.	70 °C
Ambient temp. in fully flex. operation min.	-5 °C
Ambient temp. in fully flex. operation max.	70 °C

Mechanical parameters

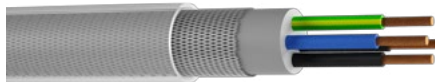
Bending radii min.	15 x D
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YSLY 300/500 V - Multicore, PVC insulated, control cables

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	4.9	34	39	100
2x0,75	5.3	42	26	100
2x1	5.6	49	19.5	100
2x1,5	6.4	66	13.3	100
2x2,5	7.8	102	7.98	100
3x0,5	5.2	41	39	100
3x0,75	5.6	51	26	100
3x1	5.9	60	19.5	100
3x1,5	6.8	82	13.3	100
3x2,5	8.3	128	7.98	100
3x4	9.8	188	4.95	100
3x6	11.9	279	3.3	100
4x0,5	5.6	49	39	100
4x0,75	6.3	65	26	100
4x1	6.6	76	19.5	100
4x1,5	7.4	101	13.3	100
4x2,5	9.2	161	7.98	100
4x4	11	242	4.95	100
4x6	13	349	3.3	100
4x10	16.4	577	1.91	100
4x16	20	875	1.21	500, 1000
4x25	24.9	1363	0.78	500, 1000
4x35	28.4	1828	0.554	500, 1000
4x50	34	2606	0.386	500, 1000
5x0,5	6.3	63	39	100
5x0,75	6.9	80	26	100
5x1	7.3	95	19.5	100
5x1,5	8.3	128	13.3	100
5x2,5	10.1	199	7.98	100
5x4	12.3	303	4.95	100
5x6	14.5	435	3.3	100
5x10	18.3	719	1.91	100
5x16	22.6	1105	1.21	100
5x25	27.7	1692	0.78	100
5x35	31.7	2277	0.554	100
5x50	38.3	3276	0.386	100
7x0,5	6.9	78	39	100
7x0,75	7.5	100	26	100
7x1	8.1	122	19.5	100
7x1,5	9.2	165	13.3	100
7x2,5	11.2	257	7.98	100
7x4	13.6	391	4.95	100
7x6	16.2	570	3.3	100
7x10	20.2	933	1.91	100
7x16	24.8	1427	1.21	100
10x0,5	8.5	106	39	100
10x0,75	9.5	140	26	100
10x1	10.1	169	19.5	100

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
10x1,5	11.2	221	13.3	100
10x2,5	14.5	369	7.98	100
12x0,5	8.8	121	39	100
12x0,75	9.8	161	26	100
12x1	10.4	195	19.5	100
12x1,5	12	267	13.3	100
12x2,5	14.9	428	7.98	100
18x0,5	11	194	39	100
18x0,75	12.2	255	26	100
18x1	12.9	304	19.5	100
18x1,5	14.6	409	13.3	100
18x2,5	18.2	654	7.98	100
25x0,5	12.9	251	39	100
25x0,75	14.3	331	26	100
25x1	15.3	402	19.5	100
25x1,5	17.4	545	13.3	100
25x2,5	21.6	866	7.98	500, 1000
34x0,5	14.9	341	39	500, 1000
34x0,75	17.9	554	26	500, 1000
34x1	16.7	456	19.5	500, 1000
34x1,5	20.2	745	13.3	500, 1000
34x2,5	25	1181	7.98	500, 1000
50x0,5	17.9	491	39	500, 1000
50x0,75	19.8	645	26	500, 1000
50x1	21.2	785	19.5	500, 1000
50x1,5	24.2	1072	13.3	500, 1000
50x2,5	30	1704	7.98	500, 1000

YSLYQY 300/500 V - PVC insulated and transparent PVC sheathed control - signal cables with steel braided screen



Application

Indoor applications, domestic appliances in conduits, laying in trench or in cable ducts; fix installation

Global data

Standard Based on VDE 0281
Type designation YSLYQY

Design features

Conductor Flexible copper conductor IEC 60228 cl.5
Insulation PVC insulation
Armour Braided galvanized steelwires
Outer sheath Transparent PVC outersheath
Available colours Transparent
Marking YSLYQY-J 24 x 0,5 300/500 V

Electrical parameters

Rated voltage 300/500 V
Test voltage (AC) 2,5 kV

Chemical parameters

Performance against fire EN 60332-1
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 70 °C
Max. operating temperature of the conductor 90 °C
Minimum installation temperature -5 °C

YSLYQY 300/500 V - PVC insulated and transparent PVC sheathed control - signal cables with steel braided screen

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	6.9	78	39	500, 1000
2x0,75	7.5	94	26	500, 1000
2x1	7.7	95	19.5	500, 1000
2x2,5	10	173	7.98	500, 1000
2x4	11.3	221	4.95	500, 1000
3x0,5	7.2	85	39	500, 1000
3x0,75	7.6	96	26	500, 1000
3x1	8	108	19.5	500, 1000
3x1,5	9.4	145	13.3	500, 1000
3x2,5	10.7	198	7.98	500, 1000
3x4	12.6	278	4.95	500, 1000
3x6	14.4	380	3.3	500, 1000
4x0,5	7.6	99	39	500, 1000
4x0,75	8.1	110	26	500, 1000
4x1	8.7	129	19.5	500, 1000
4x1,5	9.6	159	13.3	500, 1000
4x2,5	11.4	233	7.98	500, 1000
4x4	13.3	325	4.95	500, 1000
4x6	15.8	463	3.3	500, 1000
4x10	19.2	721	1.91	500, 1000
4x16	23	1052	1.21	500, 1000
4x25	27.4	1549	0.78	500, 1000
4x35	31.7	2092	0.554	500
4x50	37.2	2918	0.386	500
5x0,5	8.3	115	39	500, 1000
5x0,75	8.9	131	26	500, 1000
5x1	9.3	149	19.5	500, 1000
5x1,5	10.6	202	13.3	500, 1000
5x2,5	12.3	275	7.98	500, 1000
5x4	14.7	401	4.95	500, 1000
5x6	17.1	551	3.3	500, 1000
5x10	20.9	872	1.91	500, 1000
5x16	25	1274	1.21	500, 1000
7x0,5	9	135	39	500, 1000
7x0,75	9.6	157	26	500, 1000
7x1	10.3	184	19.5	500, 1000
7x1,5	11.1	228	13.3	500, 1000
7x2,5	13.6	345	7.98	500, 1000
7x4	16.3	508	4.95	500, 1000
7x6	18.9	704	3.3	500, 1000
7x10	22.1	1057	1.91	500, 1000
12x0,5	11.1	200	39	500, 1000
12x0,75	12.3	249	26	500, 1000
12x1	13.2	298	19.5	500, 1000
12x1,5	14.7	379	13.3	500, 1000
12x2,5	17.7	562	7.98	500, 1000
15x0,75	13.6	303	26	500, 1000
18x0,5	12.7	272	39	500, 1000

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
18x0,75	14.1	339	26	500, 1000
18x1	15.3	408	19.5	500, 1000
18x1,5	16.9	521	13.3	500, 1000
18x2,5	20.8	804	7.98	500, 1000
25x0,5	15.3	360	39	500, 1000
25x0,75	16.6	451	26	500, 1000
25x1	17.6	534	19.5	500, 1000
25x1,5	20	695	13.3	500, 1000
25x2,5	24.3	1068	7.98	500, 1000
34x0,5	17.5	465	39	500, 1000
34x0,75	18.9	584	26	500, 1000
34x1,5	22.5	893	13.3	500, 1000
50x0,75	22.3	811	26	500, 1000
50x1	23.6	953	19.5	500, 1000
50x1,5	26.5	1246	13.3	500, 1000

SZAMKAM 0,6/1 kV - Multicore cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	MSZ IEC 60502-1
Type designation	SZAMKAM

Design features

Conductor	Stranded and compacted aluminium conductor
Insulation	PVC insulation
Filler	Wrapped aluminium tape screening
Overall screen	Wrapped aluminium tape screen
Outer sheath	PVC outersheath
Available colours	Black
Marking	SZAMKAM 4 x 150 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	3,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
4x70SM	35.7	1560	0.443	176	158	500
4x95SM	39.3	2021	0.32	211	190	500
4x35SM	27.5	940	0.868	118	102	1000
4x50SM	30.4	1166	0.641	142	124	1000
4x185SM	55	3615	0.164	308	289	500
4x120SM	44.8	1392	0.253	242	220	500
4x150SM	47.1	2935	0.206	270	252	500
4x16RE	20.4	523	1.91	76	63	1000
4x25RE	24.4	753	1.2	99	83	1000
4x240SM	58.1	4579	0.125	363	339	500

1-AYY 0,6/1 kV - Single core power cables with PVC insulation and outersheath



Application

Direct buried, in trench or in ducts indoor/outdoor application

Global data

Standard HD 603 S2 - 3P (TP-KB-02/03)
Type designation 1-AYY

Design features

Conductor Aluminium conductor
Insulation PVC insulation
Outer sheath PVC outersheath
Available colours Black
Marking 1-AYY-J 1 x 25 RM 0,6/1 kV

Electrical parameters

Rated voltage 0.6/1 kV (600/1000V)
Test voltage (AC) 4 kV

Chemical parameters

Performance against fire EN 60332-1
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 70 °C
Max. operating temperature of the conductor 90 °C
Max. operating temperature of conductor at short-circuit 160 °C (≤ 300 mm²); 140 °C (300 mm² <)
Minimum installation temperature -5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
1x25RM	11.5	195	1.2	1000
1x35RM	13	236	0.868	1000
1x50RM	15	322	0.641	1000
1x70RM	16.5	387	0.443	1000
1x95RM	18	512	0.32	1000
1x120RM	20	586	0.253	1000
1x150RM	22	716	0.206	1000
1x185RM	24	877	0.164	1000
1x240RM	27	1098	0.125	1000
1x300RM	30	1333	0.1	1000
1x400RM	32	1602	0.0778	1000
1x500RM	36	2039	0.0605	1000

1-CYY 0,6/1 kV - Single core power cables with PVC insulation and outersheath



Application

Direct buried, in trench or in ducts, indoor, outdoor application

Global data

Standard	HD 603 S2 - 3P (TP-KB-02/03)
Type designation	1-CYY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	1-CYY-J 1 x 25 RM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x25RM	11.5	364	0.727	Eca	1004134	1000
1x35RM	13	468	0.524	Eca	1004134	1000
1x50RM	15	612	0.387	Eca	1004134	1000
1x70RM	16.5	821	0.268	Eca	1004134	1000
1x95RM	18	1038	0.193	Eca	1004134	1000
1x120RM	20	1271	0.153	Eca	1004134	1000
1x150RM	21	1545	0.124	Eca	1004134	1000
1x185RM	24	1937	0.0991	Eca	1004134	1000
1x240RM	27	2510	0.0754	Eca	1004134	1000
1x300RM	29	3109	0.0601	Eca	1004134	1000
1x400RM	32	3947	0.047	Eca	1004134	1000
1x500RM	36	5036	0.0366	Eca	1004134	1000

Notes

1-CYKY 0,6/1 kV - Multi core power cables with PVC insulation and PVC outersheath



Application

Direct buried, in trench or in ducts indoor/outdoor applications.

Global data

Standard	HD 603 S2 - 3P (TP-KB-01/99)
Type designation	1-CYKY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded inner covering
Outer sheath	PVC outersheath
Available colours	Black
Marking	1-CYKY-J 4 x 25 RM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

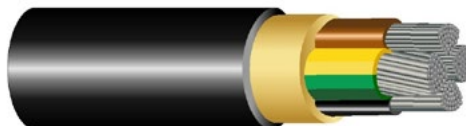
Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

1-CYKY 0,6/1 kV - Multi core power cables with PVC insulation and PVC outersheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω /km	CPR fire class	CPR DoP-Code	Delivery length m
3x25RE+16RE	24	1390	0,727/1,15	Eca	1001550	1000
3x35RE+25RE	27	1665	0,524/1,15	Eca	1001550	1000
3x50SM+35RE	29	2041	0,387/0,727			1000
3x70SM+50RE	31	2781	0,268/0,524			1000
3x95SM+50SM	36	3643	0,193/0,387	Eca	1001551	1000
3x120SM+70SM	39	4528	0,153/0,268	Eca	1001551	1000
3x150SM+70SM	43	5398	0,124/0,268	Eca	1001551	500
3x185SM+95SM	48	6850	0,0991/0,193	Eca	1001551	500
3x240SM+120SM	56	8943	0,0754/0,153	Eca	1001551	500
4x16RE	20	980	1.15	Eca	1001550	1000
4x25RM	25	1521	0.727	Eca	1001550	1000
4x35SM	27	1779	0.524	Eca	1001551	1000
4x50SM	29	2178	0.387	Eca	1001551	1000
4x70SM	33	3013	0.268	Eca	1001551	1000
4x95SM	38	4100	0.193	Eca	1001551	1000
4x120SM	40	5100	0.153	Eca	1001551	1000
4x150SM	48	7500	0.124	Eca	1001551	500
4x185SM	50	7710	0.0991	Eca	1001551	500
4x240SM	56	9500	0.0754	Eca	1001551	500
5x16RE	22	1160	1.15	Eca	1001550	1000
5x25RM	28	1853	0.727	Eca	1001550	1000
5x35RM	30	2387	0.524	Eca	1001550	1000
5x50RM	34	2808	0.387	Eca	1001550	500
5x70RM	39	3900	0.268	Eca	1001550	500
5x95RM	45	5300	0.193	Eca	1001550	500
5x120RM	49	6500	0.153	Eca	1001550	500

1-AYKY 0,6/1 kV - Multi core power cables with PVC insulation and PVC outersheath



Application

Direct buried, in trench or in ducts indoor/outdoor applications.

Global data

Standard	HD 603 S2 - 3P (TP-KB-01/99)
Type designation	1-AYKY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Filler	Extruded inner covering
Outer sheath	PVC outersheath
Available colours	Black
Marking	1-AYKY-J 4 x 25 RE 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

1-AYKY 0,6/1 kV - Multi core power cables with PVC insulation and PVC outersheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω /km	CPR fire class	CPR DoP-Code	Delivery length m
3x50RE+25RE	28.5	1240	0,641/1,2	Eca	1005173	1000
3x70RE+35RE	32	1560	0,443/0,868	Eca	1005173	1000
3x95SM+70RE	36	1686	0,32/0,641	Eca	1005173	1000
3x120SM+70RE	39	1950	0,253/0,443	Eca	1005173	1000
3x150SM+70RE	42.8	2302	0,206/0,443	Eca	1005173	1000
3x185SM+95SM	46.3	2951	0,164/0,32	Eca	1005173	500
3x240SM+120SM	52.8	3798	0,125/0,253	Eca	1005173	500
4x16RE	21	601	1.91	Eca	1005173	1000
4x25RE	25	868	1.2	Eca	1005173	1000
4x35RE	27	1061	0.868	Eca	1005173	1000
4x50RE	31	1421	0.641	Eca	1005173	1000
4x70RE	35	1876	0.443	Eca	1005173	1000
4x95SM	37	1950	0.32	Eca	1005173	1000
4x120SM	40	2160	0.253	Eca	1005173	1000
4x150SM	46	2700	0.206	Eca	1005173	1000
4x185SM	50	3350	0.164	Eca	1005173	500
4x240SM	57	4257	0.125	Eca	1005173	500
5x16RE	22	690	1.91	Eca	1005173	1000
5x25RE	26	1000	1.2	Eca	1005173	1000
5x35RE	28	1250	0.868	Eca	1005173	1000
5x50RE	33	1650	0.641	Eca	1005173	1000
5x70RE	37	2150	0.443	Eca	1005173	1000
5x95RM	45	2280	0.32	Eca	1005173	1000
5x120RM	49	2700	0.253	Eca	1005173	1000

E-AYY 0,6/1 kV - Low voltage PVC insulated and sheathed power cables

**Application**

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	E 8200-603
Type designation	E-AYY

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	E-AYY-O 4 x 150 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
UV resistant	Yes
Lead Free	Yes

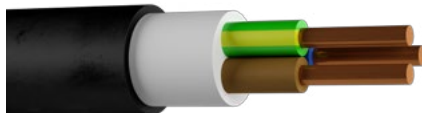
Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

E-AYY 0,6/1 kV - Low voltage PVC insulated and sheathed power cables

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Delivery length m
1x25RM	12	175	1000
1x35RM	13	220	1000
1x50RM	15	330	1000
1x120RM	21	650	1000
1x150RM	23	780	1000
1x185RM	25	930	1000
1x240RM	28	1170	1000
1x300RM	31	1440	1000
3x120SM	35	1820	1000
3x150SM	39	2080	1000
3x185SM	43	2760	1000
3x240SM	49	3540	1000
3x150SM+70SM	43	2350	1000
3x185SM+95SM	50	3100	1000
3x240SM+120SM	56	4200	1000
3x300SM	55	4220	1000
4x25RM	25	1030	1000
4x35SM	25	850	1000
4x50SM	28	1160	1000
4x70SM	32	1490	1000
4x95SM	37	1930	1000
4x120SM	41	2380	1000
4x150SM	44	2930	1000
4x185SM	51	3720	1000
4x240SM	56	4550	1000
4x25RE	24	980	1000
4x35RE	27	1090	1000
4x50SE	28	1060	1000
4x70SE	33	1380	1000
4x95SE	37	1830	1000
4x120SE	41	2200	1000
4x150SE	44	2640	1000

E-YY 0,6/1 kV - Multicore signal cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	E 8200-627
Type designation	E-YY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded inner covering
Outer sheath	PVC outersheath
Available colours	Gray
Marking	E-YY-J 19 x 2,5 RE 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

E-YY 0,6/1 kV - Multicore signal cables with PVC insulation and PVC outersheat

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	CPR fire class	CPR DoP-Code	Delivery length m
7x1,5RE	15	300	Eca	1001557	1000
7x2,5RE	16	390	Eca	1001557	1000
7x4RE	19	600	Eca	1001557	1000
7x6RE	21	840	Eca	1001557	1000
7x10RE	23	1150	Eca	1001557	1000
10x1,5RE	18	410	Eca	1001557	1000
10x2,5RE	19	550	Eca	1001557	1000
10x4RE	22	830	Eca	1001557	1000
12x1,5RE	18	450	Eca	1001557	1000
12x2,5RE	20	630	Eca	1001557	1000
12x4RE	23	930	Eca	1001557	1000
14x1,5RE	19	500	Eca	1001557	1000
14x2,5RE	21	720	Eca	1001557	1000
14x4RE	24	1180	Eca	1001557	1000
16x1,5RE	20	560	Eca	1001557	1000
16x2,5RE	22	840	Eca	1001557	1000
19x1,5RE	21	640	Eca	1001557	1000
19x2,5RE	24	910	Eca	1001557	1000
19x4RE	28	1370	Eca	1001557	1000
24x1,5RE	25	840	Eca	1001557	1000
24x2,5RE	27	1170	Eca	1001557	1000
24x4RE	30	1720	Eca	1001557	1000
30x1,5RE	26	990	Eca	1001557	1000
30x2,5RE	29	1350	Eca	1001557	1000
30x4RE	35	2080	Eca	1001557	1000
40x1,5RE	28	1260	Eca	1001557	1000
40x2,5RE	31	1720	Eca	1001557	1000
52x1,5RE	31	1450	Eca	1001557	1000
52x2,5RE	36	2200	Eca	1001557	1000
61x1,5RE	34	1820	Eca	1001557	1000
61x2,5RE	38	2630	Eca	1001557	1000

NAYY 0,6/1 kV - Single core power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	NAYY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	NAYY-J 1 x 120 RM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm ²); 140 °C (300 mm ² <)
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
1x16RM	11.2	167	1.91	1000
1x25RM	12.7	223	1.2	1000
1x35RM	13.7	264	0.868	1000
1x50RM	15.4	334	0.641	1000
1x70RM	17	417	0.443	1000
1x95RM	19.1	535	0.32	1000
1x120RM	20.5	627	0.253	1000
1x150RM	22.3	748	0.206	1000
1x185RM	24.4	904	0.164	1000
1x240RM	27.3	1142	0.125	1000
1x300RM	30.1	1388	0.1	1000
1x400RM	33.4	1735	0.0778	500
1x500RM	39.3	2243	0.0605	500
1x630RM	41	2654	0.0469	500
1x800RM	46.5	3303	0.0367	500
1x1000RM	52	4190	0.0291	500

NAYY 0,6/1 kV - Multicore power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation NAYY

Design features

Conductor Aluminium conductor
Insulation PVC insulation
Outer sheath PVC outersheath
Available colours Black
Marking NAYY-J 4 x 120 SM 0,6/1 kV

Electrical parameters

Rated voltage 0.6/1 kV (600/1000V)
Test voltage (AC) 4 kV

Chemical parameters

Performance against fire EN 60332-1
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 70 °C
Max. operating temperature of the conductor 90 °C
Max. operating temperature of conductor at short-circuit 160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature -5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
4x16RE	21	650	1.91	1000
4x25RE	25.5	963	1.2	1000
4x35SM	28	1189	0.868	1000
4x50SM	31.8	1375	0.641	1000
4x70SM	35.8	1783	0.443	1000
4x95SM	40.7	2290	0.32	1000
4x120SM	44.6	2791	0.253	1000
4x150SM	48.8	3319	0.206	500
4x185SM	54.3	4130	0.164	500
4x240SM	60.8	5202	0.125	500

NYY 0,6/1 kV - Single core power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation LV Thermoplastic >25 sqmm copper rigid

Design features

Conductor Copper conductor
Insulation PVC insulation
Outer sheath PVC outersheath
Available colours Black
Marking NYY-O 1 x 120 RMV 0,6/1 kV

Electrical parameters

Rated voltage 0.6/1 kV (600/1000V)
Test voltage (AC) 4 kV

Chemical parameters

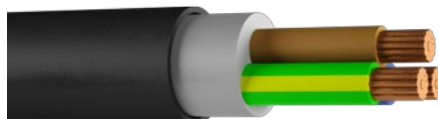
Performance against fire EN 60332-1
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 70 °C
Max. operating temperature of the conductor 70 °C
Max. operating temperature of conductor at short-circuit 160 °C (≤ 300 mm²); 140 °C (300 mm² <)
Minimum installation temperature -5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
1x10RE	9.4	175	1.83	1000
1x16RM	10.9	252	1.15	1000
1x25RM	12.2	351	0.727	1000
1x35RM	13.7	471	0.524	1000
1x50RM	15.3	614	0.387	1000
1x70RM	17	822	0.268	1000
1x95RM	19.1	1100	0.193	1000
1x120RM	20.5	1336	0.153	1000
1x150RM	22.3	1618	0.124	1000
1x185RM	24.4	2007	0.0991	1000
1x240RM	27.2	2579	0.0754	1000
1x300RM	30.1	3202	0.0601	1000
1x400RM	33.4	4075	0.047	500
1x500RM	37.2	5185	0.0366	500
1x630RM	43.5	6678	0.0283	500
1x800RM	47.5	8449	0.0221	500
1x1000RM	52.7	10539	0.0176	300

NYY 0,6/1 kV - 3-cores power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	LV Thermoplastic >25 sqmm copper rigid
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Separator	Separator tape
Outer sheath	PVC outersheath
Available colours	Black
Marking	NY Y 3 x 95 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

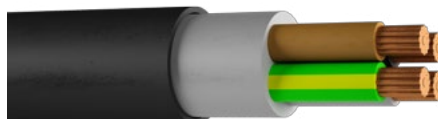
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm ²); 140 °C (300 mm ² <)
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
3x10RE	16.9	583	1.83	Eca	1001564	1000
3x16RM	19.9	848	1.15	Eca	1001564	1000
3x25RM	23.3	1237	0.727	Eca	1001564	1000
3x35SM	23.1	1305	0.524	Eca	1001566	1000
3x50SM	26.1	1720	0.387	Eca	1001566	1000
3x70SM	29.6	2362	0.268	Eca	1001566	1000
3x95SM	33.6	3205	0.193	Eca	1001566	1000
3x120SM	36.6	3941	0.153	Eca	1001566	1000
3x150SM	40.3	4835	0.124	Eca	1001566	1000
3x185SM	44.7	6006	0.0991	Eca	1001566	500
3x240SM	50.3	7870	0.0754	Eca	1001566	500

NYY 0,6/1 kV - 4-cores power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	LV Thermoplastic >25 sqmm copper rigid
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Separator	Separator tape
Outer sheath	PVC outersheath
Available colours	Black
Marking	NYY 4 x 240 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm ²); 140 °C (300 mm ² <)
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
4x10RE	18.3	716	1.83	Eca	1001564	1000
4x16RM	22.1	1058	1.15	Eca	1001564	1000
4x25RM	26.1	1558	0.727	Eca	1001564	1000
4x35SM	25.2	1695	0.524	Eca	1001566	1000
4x50SM	30.3	2276	0.387	Eca	1001566	1000
4x70SM	34.3	3125	0.268	Eca	1001566	1000
4x95SM	39.1	4247	0.193	Eca	1001566	1000
4x120SM	42.7	5233	0.153	Eca	1001566	750
4x150SM	47.1	6429	0.124	Eca	1001566	500
4x185SM	52.2	7996	0.0991	Eca	1001566	500
4x240SM	58.8	10447	0.0754	Eca	1001566	500
3x25RM+16RE	25.5	1486	0.727	Eca	1001564	1000
3x35SM+16RM	25.8	1726	0.524	Eca	1001565	1000
3x50SM+25RM	30.7	2342	0.387	Eca	1001565	1000
3x70SM+35SM	31.9	2764	0.268	Eca	1001566	1000
3x95SM+50SM	36.8	3774	0.193	Eca	1001566	1000
3x120SM+70SM	39.6	4700	0.153	Eca	1001566	750
3x150SM+70SM	43.9	5613	0.124	Eca	1001566	500
3x185SM+95SM	48.8	7083	0.0991	Eca	1001566	500
3x240SM+120SM	54.9	9178	0.0754	Eca	1001566	500

NYY 0,6/1 kV - 5-cores power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	LV Thermoplastic >25 sqmm copper rigid
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Separator	Separator tape
Outer sheath	PVC outersheath
Available colours	Black
Marking	NY 5 x 120 RM/V 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm ²); 140 °C (300 mm ² <)
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
5x10RE	19.9	856	1.83	Eca	1001564	1000
5x16RM	24	1279	1.15	Eca	1001564	1000
5x25RM	28.5	1896	0.727	Eca	1001564	1000
5x35RM	31.4	2458	0.524	Eca	1001564	1000
5x50RM	37	3426	0.387	Eca	1001564	1000
5x70RM	41.7	4644	0.268	Eca	1001564	750
5x95RM	48.1	6330	0.193	Eca	1001564	500
5x120RM	52.2	7700	0.153	Eca	1001564	500
5x150RM	58	9486	0.124	Eca	1001564	500
5x185RM	63.2	11694	0.0991	Eca	1001564	500

NYN signal 0,6/1 kV - Multicore signal cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	LV Thermoplastic >25 sqmm copper rigid
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	NYN-J 3 x 2,5 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

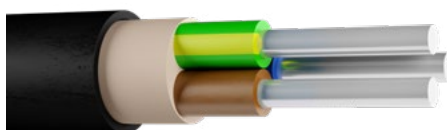
Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

NYY signal 0,6/1 kV - Multicore signal cables with PVC insulation and PVC outersheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
3x1,5RE	11.8	214	12.1	Eca	1001564	100, 500, 1000
3x2,5RE	12.6	261	7.41	Eca	1001564	100, 500, 1000
3x4RE	14.5	360	4.61	Eca	1001564	100, 500, 1000
3x6RE	15.5	444	3.08	Eca	1001564	100, 500, 1000
4x1,5RE	12.6	247	12.1	Eca	1001564	100, 500, 1000
4x2,5RE	13.5	305	7.41	Eca	1001564	100, 500, 1000
4x4RE	15.6	430	4.61	Eca	1001564	100, 500, 1000
4x6RE	16.8	536	3.08	Eca	1001564	100, 500, 1000
5x1,5RE	13.5	287	12.1	Eca	1001564	100, 500, 1000
5x2,5RE	14.5	357	7.41	Eca	1001564	100, 500, 1000
7x1,5RE	14.2	326	12.1	Eca	1001564	100, 500, 1000
7x2,5RE	15.3	414	7.41	Eca	1001564	100, 500, 1000
7x4RE	17.9	599	4.61	Eca	1001564	100, 500, 1000
7x6RE	19.8	788	3.08	Eca	1001564	500, 1000
10x1,5RE	17.2	406	12.1	Eca	1001564	500, 1000
10x2,5RE	18.7	522	7.41	Eca	1001564	500, 1000
12x1,5RE	17.7	491	12.1	Eca	1001564	500, 1000
12x2,5RE	19.3	637	7.41	Eca	1001564	500, 1000
14x1,5RE	18.5	549	12.1	Eca	1001564	500, 1000
14x2,5RE	20.5	740	7.41	Eca	1001564	500, 1000
18x1,5RE	21.1	729	12.1	Eca	1001564	500, 1000
18x2,5RE	22.9	947	7.41	Eca	1001564	500, 1000
19x1,5RE	20.3	689	12.1	Eca	1001564	500, 1000
19x2,5RE	22.5	936	7.41	Eca	1001564	500, 1000
24x1,5RE	23.3	850	12.1	Eca	1001564	500, 1000
24x2,5RE	26.4	1190	7.41	Eca	1001564	500, 1000
30x1,5RE	25.4	1073	12.1	Eca	1001564	500, 1000
30x2,5RE	27.8	1416	7.41	Eca	1001564	500, 1000
40x1,5RE	29.2	1373	12.1	Eca	1001564	500, 1000
40x2,5RE	32.7	1883	7.41	Eca	1001564	500, 1000

NA2XH 0,6/1 kV



Application

The NA2XH cables are for installing in rooms, in air, in installation conduits and tubes. Not suitable for the installation in ground and in water. This cable with better properties in case of fire is for installing in hospitals, schools and other buildings. Halogen free, low smoke, UV-resistant

Global data

Type designation	NA2XH
Standard	Based on IEC 60502-1 DIN VDE 0276-604

Design features

Conductor	Aluminium acc. to DIN EN 60228 round, multi wire, compacted (RM), class 2
Insulation	Cross-linked polyethylene (XLPE)
Core identification	Colours of cores acc. to DIN VDE 0293-308 1 core: NA2XH-O black
Separator	PET foil
Outer sheath	Halogenfree, flame-retardant compound AFUMEX
Outer sheath colour	Black

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	1.2 kV
Max. permissible operating voltage DC	1,8

Chemical parameters

Smoke emission	IEC 61034-2
Performance against fire	IEC 60332-1-2

Thermal parameters

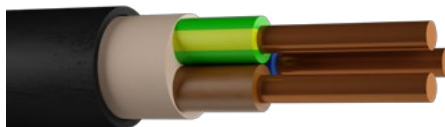
Max. operating temperature of the conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Laying temperature min.	-5 °C

Number of cores x cross section	Art. Des. O/J	Part number	Insulation thickness nom. mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Bending radius fixed min. mm	Weight (approx.) kg/km	Conductor resistance at 20°C max. Ω/km	Current-carrying capacity during normal operation, laid in the ground (1) A	Current carrying capacity free in air (2) A	Fire load value kWh/m	Short Circuit Current (conductor) kA
1x25 RM	-O	20232959	1	1.8	11	165	195				1.07	
1x35 RM	-O		1	1.8	15	225	240	0.641	162	161	1.13	4.7
1x50 RM	-O	20224673	1	1.8	15	225	240	0.641	162	161	1.13	4.7
1x70 RM	-O	20224674	1.1	1.8	16	240	310	0.443	199	204	1.36	6.6
1x95 RM	-O	20224675	1.1	1.8	18	270	400	0.32	238	252	1.55	8.9
1x120 RM	-O	20224668	1.2	1.8	20	300	490	0.253	272	295	1.79	11.3
1x150 RM	-O	20224669	1.4	1.8	22	330	630	0.206	305	339	2.11	14.1
1x185 RM	-O	20224670	1.6	1.8	24	360	750	0.164	347	395	2.49	17.4
1x240 RM	-O	20224671	1.7	1.8	27	405	900	0.125	404	472	2.89	22.6
1x300 RM	-O	20223239	1.8	1.8	29	435	1100	0.1	457	547	3.29	28.2
1x400 RM	-O		2	2	33	495	1400	0.0778	525	643	4.11	37.6
1x500 RM	-O		2.2	2.1	36	540	1700	0.0605	601	754		47
1x630 RM	-O		2.4	2.2	41	615	2200	0.0469	687	882		59.2

(1) Ground temperature 20°C; laying depth 0,7 m; thermal resistivity of the soil 1,0 Km/W (desiccated soil 2,5 km/W); load factor 0,7

(2) Air temperature 30 °C; load factor 1,0

N2XH 0,6/1 kV - Halogene-free XLPE insulated cables



Application

Indoor applications or outdoor protected from solar radiation, laid on cable trays or in ducts.

Global data

Standard	DIN VDE 0276-604
Type designation	N2XH

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Inner Sheath	LSOF inner covering
Outer sheath	LSOF jacket
Available colours	Black
Marking	N2XH-J 3 x 6 RE 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	DIN EN 60332-1/EN 50266-2-4
Zero Halogen	EN 50268
Halogen acid gas emission	EN 50267
Smoke emission	EN 61034
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current carrying capacity for install. free in air A	Delivery length m
3x1,5RE	11.1	167	12.1	24	100
4x1,5RE	11.9	194	12.1	24	100
5x1,5RE	12.8	226	12.1	24	100
7x1,5RE	13.7	276	12.1	24	1000
3x2,5RE	11.8	208	7.41	32	100
4x2,5RE	12.7	245	7.41	32	100
5x2,5RE	13.8	288	7.41	32	100
5x4RE	15	379	4.61	42	1000
5x6RE	16.1	488	3.08	53	1000
5x10RE	18.5	720	1.83	74	1000
5x25RE	26	1628	0.727	98	1000

AYCWY 0,6/1 kV - Multicore power cable with PVC insulation and PVC jacket



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	AYCWY

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Filler	Extruded inner covering
Overall screen	Extruded inner covering
Outer sheath	PVC jacket
Available colours	Black
Marking	AYCWY 4 x 240/120 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	3,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Delivery length m
3x240SM/120	2.2	54.8	5100	500
4x16RE/10	1	21.9	770	1000
4x25RE/10	1.2	25.8	1000	1000
4x35SM/16	1.2	28	1100	500
4x50SM/25	1.4	32.6	1500	1000
4x95SM/35	1.6	41.3	2500	500
4x150SM/50	1.8	49.6	3700	1000
4x240SM/50	2.2	61.1	5500	500

NYCWY 0,6/1 kV - Multicore power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	NYCWY

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded inner covering
Overall screen	Concentric waveform copper wire screen
Outer sheath	PVC outersheath
Available colours	Black
Marking	NYCWY 4 x 240/120 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

NYCWY 0,6/1 kV - Multicore power cables with PVC insulation and PVC outersheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
3x10RE/10	19.4	777	1.83	1000
3x16RM/16	21.3	1086	1.15	1000
3x25RM/16	25.5	1494	0.727	1000
3x25RM/25	26	1588	0.727	1000
3x35SM/16	25.5	1647	0.524	500
3x35SM/35	26.1	1843	0.524	500
3x50SM/50	29.7	2421	0.387	500
3x50SM/25	29.1	2203	0.387	500
3x70SM/70	33.6	3345	0.268	500
3x70SM/35	32.8	3010	0.268	500
3x95SM/95	38.2	4493	0.193	500
3x95SM/50	37.4	4021	0.193	500
3x120SM/120	41	5439	0.153	500
3x120SM/70	40.3	4985	0.153	500
3x150SM/150	45.7	6728	0.124	500
3x150SM/70	44.6	5982	0.124	500
3x185SM/95	49.4	7464	0.0991	500
3x240SM/120	54.9	9582	0.0754	500
4x10RE/10	20.2	911	1.83	1000
4x16RM/16	23.8	1284	1.15	1000
4x25RM/16	27.7	1792	0.727	1000
4x35SM/16	27.5	2062	0.524	500
4x50SM/25	33.6	2827	0.387	500
4x70SM/35	37.5	3817	0.268	500
4x95SM/50	42.9	5113	0.193	500
4x120SM/70	46.8	6400	0.153	500
4x150SM/70	51.4	7681	0.124	500
4x185SM/95	57.1	9593	0.0991	500
4x240SM/120	63.7	12342	0.0754	500

NYCY 0,6/1 kV - Multi core energy cables with concentric conductor, PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation	NYCY
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Filler	Extruded filler
Overall screen	Copper wire screen
Outer sheath	PVC outersheath
Available colours	Black
Marking	NYCY-O 4 x 2,5/2,5 RE 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

NYCY 0,6/1 kV - Multi core energy cables with concentric conductor, PVC insulation and PVC outdoorsheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x1,5RE/1,5	12.5	224	12.1	Eca	1001561	1000
3x1,5RE/1,5	13	247	12.1	Eca	1001561	1000
4x1,5RE/1,5	13.8	280	12.1	Eca	1001561	1000
5x1,5RE/1,5	14.6	320	12.1	Eca	1001561	1000
3x2,5RE/2,5	13.8	301	7.41	Eca	1001561	1000
4x2,5RE/2,5	14.6	345	7.41	Eca	1001561	1000
4x10RE/10	21.8	902	1.83	Eca	1001561	1000
4x4RE/4	17.9	487	4.61	Eca	1001561	1000
4x6RE/6	19.1	603	3.08	Eca	1001561	1000
4x16RE/16	24.1	1258	1.15	Eca	1001561	1000
5x2,5RE/2,5	15.6	395	7.41	Eca	1001561	1000
5x4RE/4	19.2	591	4.61	Eca	1001561	1000
5x6RE/6	20.5	732	3.08	Eca	1001561	1000
3x4RE/4	16.8	434	4.61	Eca	1001561	1000
7x1,5RE/2,5	15.5	384	12.1	Eca	1001561	1000
7x2,5RE/2,5	16.6	462	7.41	Eca	1001561	1000
7x4RE/4	20.5	716	4.61	Eca	1001561	1000
7x6RE/6	22.6	920	3.08	Eca	1001561	1000
8x1,5RE/2,5	17	484	12.1	Eca	1001561	1000
8x2,5RE/2,5	18.9	576	7.41	Eca	1001561	1000
8x4RE/4	22.3	812	4.61	Eca	1001561	1000
8x6RE/6	24.1	1040	3.08	Eca	1001561	1000
10x1,5RE/2,5	19.2	529	12.1	Eca	1001561	1000
10x2,5RE/4	20.9	661	7.41	Eca	1001561	1000
12x1,5RE/4	19.3	565	12.1	Eca	1001561	1000
12x2,5RE/4	21.4	766	7.41	Eca	1001561	1000
12x4RE/6	26.1	1103	4.61	Eca	1001561	1000
14x1,5RE/2,5	20.1	681	12.1	Eca	1001561	1000
14x2,5RE/4	22.3	818	7.41	Eca	1001561	1000
16x1,5RE/4	20.9	720	12.1	Eca	1001561	1000
16x2,5RE/6	22.9	938	7.41	Eca	1001561	1000
19x1,5RE/4	22.1	808	12.1	Eca	1001561	1000
19x2,5RE/6	24.8	1061	7.41	Eca	1001561	1000
21x1,5RE/6	24.4	881	12.1	Eca	1001561	1000
24x1,5RE/6	25.5	996	12.1	Eca	1001561	1000
24x2,5RE/10	27.6	1309	7.41	Eca	1001561	1000
30x1,5RE/6	26.4	1141	12.1	Eca	1001561	1000
30x2,5RE/10	29.8	1540	7.41	Eca	1001561	1000
40x1,5RE/10	31.3	1513	12.1	Eca	1001561	1000
40x2,5RE/10	35.1	2034	7.41	Eca	1001561	1000
52x1,5RE/10	33.8	1791	12.1	Eca	1001561	1000
52x2,5RE/10	36.6	2372	7.41	Eca	1001561	1000
61x1,5RE/10	37.2	2170	12.1	Eca	1001561	1000
61x2,5RE/10	39.9	2809	7.41	Eca	1001561	1000

SZRMtKVM 0,6/1 kV - Multi core signal cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	MSZ 05-48.2001/2 HD 627 S1
Type designation	SZRMtKVM
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Separator	Wrapped tape layer
Armour	Steel tape armouring
Outer sheath	PVC outersheath
Available colours	Black
Marking	SZRMtKVM-J 14 x 2,5 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C

SZRMtKVM 0,6/1 kV - Multi core signal cables with PVC insulation and PVC outsheath

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
3x1,5	11.4	213	12.1	Eca	1001844	500, 1000
5x1,5	14	307	12.1	Eca	1001844	500, 1000
7x1,5	14.5	352	12.1	Eca	1001844	500, 1000
10x1,5	18.1	491	12.1	Eca	1001844	500, 1000
12x1,5	18.6	546	12.1	Eca	1001844	500, 1000
14x1,5	18.9	598	12.1	Eca	1001844	500, 1000
19x1,5	20.8	729	12.1	Eca	1001844	500, 1000
24x1,5	24.3	921	12.1	Eca	1001844	500, 1000
30x1,5	25.2	1056	12.1	Eca	1001844	500, 1000
48x1,5	30.8	1565	12.1	Eca	1001844	500, 1000
3x2,5	12.2	246	7.41	Eca	1001844	500, 1000
4x2,5	13.6	308	7.41	Eca	1001844	500, 1000
5x2,5	14.6	364	7.41	Eca	1001844	500, 1000
7x2,5	15.7	450	7.41	Eca	1001844	500, 1000
12x2,5	20.1	692	7.41	Eca	1001844	500, 1000
14x2,5	21	762	7.41	Eca	1001844	500, 1000
19x2,5	22.7	937	7.41	Eca	1001844	500, 1000
24x2,5	26.6	1201	7.41	Eca	1001844	500, 1000
30x2,5	27.1	1357	7.41	Eca	1001844	500, 1000
48x2,5	33.9	2106	7.41	Eca	1001844	500, 1000
4x4	15.8	423	4.61	Eca	1001844	500, 1000
5x4	17	517	4.61	Eca	1001844	500, 1000
7x4	18.4	630	4.61	Eca	1001844	500, 1000
3x6	15.2	388	3.08	Eca	1001844	500, 1000
4x6	17	520	3.08	Eca	1001844	500, 1000
5x6	18.4	638	3.08	Eca	1001844	500, 1000
7x6	19.9	786	3.08	Eca	1001844	500, 1000

6-AYKCY 3,6/6 kV - PVC insulated power cab



Application

In trench, direct buried, in duct, in free air.

Global data

Standard	TP-KB-01/05
Type designation	6-AYKCY

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Overall screen	Copper screen
Outer sheath	PVC outersheath
Available colours	Black
Marking	6-AYKCY 3 x 120 SM/16 3,6/6 kV

Electrical parameters

Rated voltage	3.6/6 kV
Test voltage (AC)	18 kV

Chemical parameters

Performance against fire	STN IEC 332-1 (HD 405.1 S1)
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm ²); 140 °C (300 mm ² <)
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x300RM/25	3.4	2	37.5	1675	0.1	452	503	1000
1x400RM/35	3.4	2.1	41	2277	0.0778	499	573	500
1x500RM/35	3.4	2.2	44	2476	0.0605	560	659	500
3x25RE/16	3.4	2	35	1648	1.2	91	73	1000
3x35RE/16	3.4	2.1	37	1928	0.868	118	99	500
3x50RE/16	3.4	2.2	41	2288	0.641	143	119	500
3x70RE/16	3.4	2.3	44	2728	0.443	176	150	500
3x95SM/16	3.4	2.4	46	2812	0.32	211	182	500
3x120SM/16	3.4	2.5	48	2953	0.253	240	210	500
3x150SM/25	3.4	2.6	50	3423	0.206	269	238	500
3x185SM/25	3.4	2.8	55	3973	0.164	305	213	350
3x240SM/25	3.4	2.9	60	4661	0.125	354	323	350

6-CYKCY 3,6/6 kV - PVC insulated power cables



Application

In trench, direct buried, in duct, in free air.

Global data

Standard	TP-KB-01/05
Type designation	6-CYKCY

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Overall screen	Copper screen
Outer sheath	PVC outersheath
Available colours	Black
Marking	6-CYKCY 3 x 120 SM 3,6/6 kV

Electrical parameters

Rated voltage	3,6/6 kV
Test voltage (AC)	18 kV

Chemical parameters

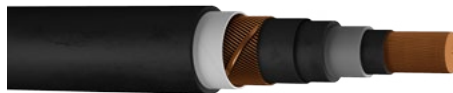
Performance against fire	STN IEC 332-1 (HD 405.1 S1)
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x300RM/25	3.4	2	37.5	3496	0.0601	556	625	500
1x400RM/35	3.4	2.1	40	4800	0.047	599	695	500
1x500RM/35	3.4	2.2	45	5750	0.0366	633	785	500
3x35RM/16	3.4	2.1	41.6	2916	0.524	156	130	500
3x50RM/16	3.4	2.2	44	3566	0.387	186	156	500
3x70RM/16	3.4	2.3	46	4450	0.268	229	196	500
3x95SM/16	3.4	2.4	48	4345	0.193	274	238	500
3x120SM/16	3.4	2.5	49	5335	0.153	311	274	500
3x150SM/25	3.4	2.6	51	6094	0.124	350	313	500
3x185SM/25	3.4	2.8	56	7610	0.0991	395	358	500
3x240SM/25	3.4	2.9	60	9548	0.0754	458	423	500

N2XS(F)2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(F)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(F)2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26.8	1111	0.268	0.28	0.4	269	292	1000
1x95RM/16	19.4	28.4	1373	0.193	0.31	0.38	321	354	1000
1x120RM/16	20.8	29.9	1616	0.153	0.36	0.37	364	407	1000
1x150RM/25	22.2	31.2	1962	0.124	0.37	0.36	405	460	1000
1x185RM/25	23.8	32.8	2318	0.0991	0.4	0.34	457	527	1000
1x240RM/25	26.2	35.2	2870	0.0754	0.45	0.33	528	621	1000
1x300RM/25	28.6	37.7	3457	0.0601	0.49	0.32	593	709	1000
1x400RM/35	31.7	40.8	4383	0.047	0.56	0.31	665	815	1000
1x500RM/35	34.4	43.5	5403	0.0366	0.61	0.29	739	921	1000

N2XS(F)2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(F)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(F)2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	31	1270	0.268	0.19	0.43	273	296	1000
1x95RM/16	23.6	32.6	1543	0.193	0.21	0.41	325	358	1000
1x120RM/16	25	34.1	1792	0.153	0.23	0.39	368	412	1000
1x150RM/25	26.4	35.4	2149	0.124	0.25	0.38	410	466	1000
1x185RM/25	28	37	2516	0.0991	0.27	0.37	463	532	1000
1x240RM/25	30.4	39.4	3082	0.0754	0.3	0.35	534	627	1000
1x300RM/25	32.8	41.9	3684	0.0601	0.33	0.34	601	715	1000
1x400RM/35	35.5	44.6	4606	0.047	0.37	0.33	674	816	1000
1x500RM/35	38.6	47.7	5663	0.0366	0.4	0.32	750	927	1000

N2XS(F)2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(F)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(F)2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	36	1493	0.268	0.15	0.46	276	299	1000
1x95RM/16	28.6	37.6	1780	0.193	0.16	0.44	329	362	1000
1x120RM/16	30	39.1	2038	0.153	0.18	0.42	373	416	1000
1x150RM/25	31.4	40.4	2405	0.124	0.19	0.4	415	469	1000
1x185RM/25	33	42	2783	0.0991	0.2	0.39	468	536	1000
1x240RM/25	35.4	44.4	3367	0.0754	0.22	0.37	541	630	1000
1x300RM/25	37.8	46.9	3986	0.0601	0.24	0.36	608	717	1000
1x400RM/35	40.5	49.6	4929	0.047	0.27	0.34	684	823	1000
1x500RM/35	43.6	52.9	6027	0.0366	0.29	0.34	762	929	1000

N2XS(F)2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 Part 5B
Type designation	N2XS(F)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(F)2Y 1x240RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	72,8 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	37.6	1574	0.268	0.14	0.47	276	299	1000
1x95RM/16	30.2	39.2	1862	0.193	0.15	0.44	329	362	1000
1x120RM/16	31.6	40.7	2126	0.153	0.16	0.43	373	416	1000
1x150RM/25	33	42	2495	0.124	0.18	0.41	415	469	1000
1x185RM/25	34.6	43.6	2876	0.0991	0.19	0.4	468	536	1000
1x240RM/25	37	46	3466	0.0754	0.21	0.38	541	630	1400
1x300RM/25	39.4	48.5	4092	0.0601	0.23	0.37	608	717	1000
1x400RM/35	42.1	51.4	5055	0.047	0.25	0.35	684	823	1000
1x500RM/35	45.2	54.7	6162	0.0366	0.27	0.34	762	929	1000

N2XS(FL)2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(FL)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(FL)2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	27.9	1170	0.268	0.28	0.4	266	289	1000
1x95RM/16	19.4	29.6	1436	0.193	0.31	0.38	318	350	1000
1x120RM/16	20.8	31.1	1681	0.153	0.36	0.37	360	403	1000
1x150RM/25	22.2	32.4	2031	0.124	0.37	0.36	401	455	1000
1x185RM/25	23.8	34	2389	0.0991	0.4	0.34	452	522	1000
1x240RM/25	26.2	36.4	2945	0.0754	0.45	0.33	523	615	1000
1x300RM/25	28.6	38.9	3538	0.0601	0.49	0.32	587	702	1000
1x400RM/35	31.7	42	4470	0.047	0.56	0.31	658	807	1000
1x500RM/35	34.4	44.7	5493	0.0366	0.61	0.29	732	912	1000

N2XS(FL)2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(FL)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(FL)2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	32.1	1336	0.268	0.19	0.43	270	293	1000
1x95RM/16	23.6	33.8	1611	0.193	0.21	0.41	322	354	1000
1x120RM/16	25	35.2	1864	0.153	0.23	0.39	364	408	1000
1x150RM/25	26.4	36.6	2223	0.124	0.25	0.38	406	461	1000
1x185RM/25	28	38.2	2593	0.0991	0.27	0.37	458	527	1000
1x240RM/25	30.4	40.6	3166	0.0754	0.3	0.35	529	621	1000
1x300RM/25	32.8	43.1	3770	0.0601	0.33	0.34	595	708	1000
1x400RM/35	35.5	45.8	4698	0.047	0.37	0.33	667	808	1000
1x500RM/35	38.6	48.9	5762	0.0366	0.4	0.32	743	918	1000

N2XS(FL)2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS(FL)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(FL)2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	37.1	1571	0.268	0.15	0.46	273	296	1000
1x95RM/16	28.6	38.8	1860	0.193	0.16	0.44	326	358	1000
1x120RM/16	30	40.2	2119	0.153	0.18	0.42	369	412	1000
1x150RM/25	31.4	41.6	2489	0.124	0.19	0.4	411	464	1000
1x185RM/25	33	43.2	2869	0.0991	0.2	0.39	463	531	1000
1x240RM/25	35.4	45.6	3459	0.0754	0.22	0.37	536	624	1000
1x300RM/25	37.8	48	4081	0.0601	0.24	0.36	602	710	1000
1x400RM/35	40.5	50.8	4990	0.047	0.27	0.34	677	815	1000
1x500RM/35	43.6	54.1	6134	0.0366	0.29	0.34	754	920	1000

N2XS(FL)2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 Part 5B
Type designation	N2XS(FL)2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS(FL)2Y 1x240RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	72,8 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	38	1608	0.268	0.14	0.47	273	296	1000
1x95RM/16	30.2	39.6	1898	0.193	0.15	0.44	326	358	1000
1x120RM/16	31.6	41.3	2175	0.153	0.16	0.43	369	412	1000
1x150RM/25	33	42.6	2543	0.124	0.18	0.41	411	464	1000
1x185RM/25	34.6	44.4	2939	0.0991	0.19	0.4	463	531	1000
1x240RM/25	37	47	3548	0.0754	0.21	0.38	536	624	1000
1x300RM/25	39.4	49.5	4176	0.0601	0.23	0.37	602	710	1000
1x400RM/35	42.1	52.6	5160	0.047	0.25	0.35	677	815	1000
1x500RM/35	45.2	55.9	6273	0.0366	0.27	0.34	754	920	1000

N2XS2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26	1109	0.268	0.28	0.4	269	292	1000
1x95RM/16	19.4	27.5	1365	0.193	0.31	0.38	321	354	1000
1x120RM/16	20.8	28.9	1605	0.153	0.36	0.37	364	407	1000
1x150RM/25	22.2	30.3	1954	0.124	0.37	0.36	405	460	1000
1x185RM/25	23.8	31.9	2307	0.0991	0.4	0.34	457	527	1000
1x240RM/25	26.2	34.3	2859	0.0754	0.45	0.33	528	621	1000
1x300RM/25	28.6	36.7	3445	0.0601	0.49	0.32	593	709	1000
1x400RM/35	31.7	40	4380	0.047	0.56	0.31	665	815	1000
1x500RM/35	34.4	43	5418	0.0366	0.61	0.29	739	921	1000

N2XS2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	30	1262	0.268	0.19	0.43	273	296	1000
1x95RM/16	23.6	31.7	1532	0.193	0.21	0.41	325	358	1000
1x120RM/16	25	33.1	1781	0.153	0.23	0.39	368	412	1000
1x150RM/25	26.4	34.5	2138	0.124	0.25	0.38	410	466	1000
1x185RM/25	28	36.1	2504	0.0991	0.27	0.37	463	532	1000
1x240RM/25	30.4	38.5	3071	0.0754	0.3	0.35	534	627	1000
1x300RM/25	32.8	40.9	3671	0.0601	0.33	0.34	601	715	1000
1x400RM/35	35.5	43.7	4593	0.047	0.37	0.33	674	816	1000
1x500RM/35	38.6	46.8	5652	0.0366	0.4	0.32	750	927	1000

N2XS2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS2Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	N2XS2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	35	1483	0.268	0.15	0.46	276	299	1000
1x95RM/16	28.6	36.7	1768	0.193	0.16	0.44	329	362	1000
1x120RM/16	30	38.1	2027	0.153	0.18	0.42	373	416	1000
1x150RM/25	31.4	39.5	2394	0.124	0.19	0.4	415	469	1000
1x185RM/25	33	41.1	2771	0.0991	0.2	0.39	468	536	1000
1x240RM/25	35.4	43.5	3355	0.0754	0.22	0.37	541	630	1000
1x300RM/25	37.8	45.9	3974	0.0601	0.24	0.36	608	717	1000
1x400RM/35	40.5	48.7	4915	0.047	0.27	0.34	684	823	1000
1x500RM/35	43.6	52	6012	0.0366	0.29	0.34	762	929	1000

N2XS2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard HD 620 Part 5B
Type designation N2XS2Y

Design features

Conductor Copper conductor
Insulation XLPE insulation
Semi-conductive layer Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath Bedding
Overall screen Copper wire screen with copper counter helix
Outer sheath PE sheath
Available colours Black
Marking N2XS2Y 1x240RM/25 20,8/36 kV

Electrical parameters

Rated voltage 20/36 kV
Test voltage (AC) 72,8 kV

Chemical parameters

Zero Halogen Yes
UV resistant Yes
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 90 °C
Max. operating temperature of the conductor 90 °C
Max. operating temperature of conductor at short-circuit 250 °C
Minimum installation temperature -20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	35.8	1518	0.268	0.14	0.47	276	299	1000
1x95RM/16	30.2	37.5	1805	0.193	0.15	0.44	329	362	1000
1x120RM/16	31.6	39.1	2078	0.153	0.16	0.43	373	416	1000
1x150RM/25	33	40.5	2447	0.124	0.18	0.41	415	469	1000
1x185RM/25	34.6	42.3	2839	0.0991	0.19	0.4	468	536	1000
1x240RM/25	37	44.9	3441	0.0754	0.21	0.38	541	630	1000
1x300RM/25	39.4	47.3	4064	0.0601	0.23	0.37	608	717	1000
1x400RM/35	42.1	50.5	5041	0.047	0.25	0.35	684	823	1000
1x500RM/35	45.2	53.8	6146	0.0366	0.27	0.34	762	929	1000

NA2XS(F)2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(F)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(F)2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26.8	706	0.443	0.28	0.4	209	226	1000
1x95RM/16	19.4	28.4	809	0.32	0.31	0.38	249	275	1000
1x120RM/16	20.8	29.9	908	0.253	0.36	0.37	283	317	1000
1x150RM/25	22.2	31.2	1092	0.206	0.37	0.36	316	359	1000
1x185RM/25	23.8	32.8	1224	0.164	0.4	0.34	358	412	1000
1x240RM/25	26.2	35.2	1418	0.125	0.45	0.33	416	489	1000
1x300RM/25	28.6	37.7	1644	0.1	0.49	0.32	469	559	1000
1x400RM/35	31.7	40.8	2042	0.0778	0.56	0.31	532	651	1000
1x500RM/35	34.4	43.5	2405	0.0605	0.61	0.29	599	744	1000
1x630RM/35	38	47.1	2869	0.0469	0.65	0.28	674	850	1000

NA2XS(F)2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(F)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(F)2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	31	865	0.443	0.19	0.43	211	229	1000
1x95RM/16	23.6	32.6	978	0.32	0.21	0.41	252	278	1000
1x120RM/16	25	34.1	1084	0.253	0.23	0.39	287	320	1000
1x150RM/25	26.4	35.4	1279	0.206	0.25	0.38	320	363	1000
1x185RM/25	28	37	1422	0.164	0.27	0.37	362	415	1000
1x240RM/25	30.4	39.4	1630	0.125	0.3	0.35	421	493	1000
1x300RM/25	32.8	41.9	1871	0.1	0.33	0.34	474	563	1000
1x400RM/35	35.5	44.6	2265	0.0778	0.37	0.33	538	652	1000
1x500RM/35	38.6	47.7	2666	0.0605	0.4	0.32	606	746	1000
1x630RM/35	42.2	51.3	3155	0.0469	0.43	0.31	683	854	1000

NA2XS(F)2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(F)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(F)2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	36	1088	0.443	0.15	0.46	214	232	1000
1x95RM/16	28.6	37.6	1215	0.32	0.16	0.44	256	281	1000
1x120RM/16	30	39.1	1331	0.253	0.18	0.42	290	323	1000
1x150RM/25	31.4	40.4	1535	0.206	0.19	0.4	324	365	1000
1x185RM/25	33	42	1689	0.164	0.2	0.39	366	418	1000
1x240RM/25	35.4	44.4	1914	0.125	0.22	0.37	426	494	1000
1x300RM/25	37.8	46.9	2173	0.1	0.24	0.36	479	564	1000
1x400RM/35	40.5	49.6	2587	0.0778	0.27	0.34	545	654	1000
1x500RM/35	43.6	52.9	3029	0.0605	0.29	0.34	614	747	1000

NA2XS(F)2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 S1 Part 5B-1
Type designation	NA2XS(F)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(F)2Y 1x240RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	83,2 kV

Chemical parameters

Zero Halogen	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-15 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	37.6	1169	0.443	0.14	0.47	214	232	1000
1x95RM/16	30.2	39.2	1298	0.32	0.15	0.44	256	281	1000
1x120RM/16	31.6	40.7	1418	0.253	0.16	0.43	290	323	1000
1x150RM/25	33	42	1625	0.206	0.18	0.41	324	365	1000
1x185RM/25	34.6	43.6	1782	0.164	0.19	0.4	366	418	1000
1x240RM/25	37	46	2014	0.125	0.21	0.38	426	494	1000
1x300RM/25	39.4	48.5	2279	0.1	0.23	0.37	479	564	1000
1x400RM/35	42.1	51.4	2714	0.0778	0.25	0.35	545	654	1000
1x500RM/35	45.2	54.7	3164	0.0605	0.27	0.34	614	747	1000
1x630RM/35	48.6	61.2	3930	0,0469	0.29	0.33	686	890	500

NA2XS(FL)2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(FL)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(FL)2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	27.9	765	0.443	0.28	0.4	207	224	1000
1x95RM/16	19.4	29.6	871	0.32	0.31	0.38	247	272	1000
1x120RM/16	20.8	31.1	973	0.253	0.36	0.37	280	314	1000
1x150RM/25	22.2	32.4	1160	0.206	0.37	0.36	313	355	1000
1x185RM/25	23.8	34	1295	0.164	0.4	0.34	354	408	1000
1x240RM/25	26.2	36.4	1492	0.125	0.45	0.33	412	484	1000
1x300RM/25	28.6	38.9	1724	0.1	0.49	0.32	464	553	1000
1x400RM/35	31.7	42	2128	0.0778	0.56	0.31	527	644	1000
1x500RM/35	34.4	44.7	2495	0.0605	0.61	0.29	593	737	1000
1x630RM/35	38	48.3	2969	0.0469	0.65	0.28	667	842	500

NA2XS(FL)2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(FL)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(FL)2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	32.1	930	0.443	0.19	0.43	209	227	1000
1x95RM/16	23.6	33.8	1047	0.32	0.21	0.41	249	275	1000
1x120RM/16	25	35.2	1156	0.253	0.23	0.39	284	317	1000
1x150RM/25	26.4	36.6	1353	0.206	0.25	0.38	317	359	1000
1x185RM/25	28	38.2	1499	0.164	0.27	0.37	358	411	1000
1x240RM/25	30.4	40.6	1713	0.125	0.3	0.35	417	488	1000
1x300RM/25	32.8	43.1	1957	0.1	0.33	0.34	469	557	1000
1x400RM/35	35.5	45.8	2357	0.0778	0.37	0.33	533	645	1000
1x500RM/35	38.6	48.9	2764	0.0605	0.4	0.32	600	739	1000
1x630RM/35	42.2	52.5	3257	0.0469	0.43	0.31	676	845	1000

Nominal values

NA2XS(FL)2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(FL)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(FL)2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	37.1	1166	0.443	0.15	0.46	212	230	1000
1x95RM/16	28.6	38.8	1296	0.32	0.16	0.44	253	278	1000
1x120RM/16	30	40.2	1411	0.253	0.18	0.42	287	320	1000
1x150RM/25	31.4	41.6	1618	0.206	0.19	0.4	321	361	1000
1x185RM/25	33	43.2	1776	0.164	0.2	0.39	362	414	1000
1x240RM/25	35.4	45.6	2007	0.125	0.22	0.37	422	489	1000
1x300RM/25	37.8	48	2268	0.1	0.24	0.36	474	558	1000
1x400RM/35	40.5	50.8	2649	0.0778	0.27	0.34	540	647	1000
1x500RM/35	43.6	54.1	3136	0.0605	0.29	0.34	608	740	1000

NA2XS(FL)2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 S1 Part 5B-1
Type designation	NA2XS(FL)2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below and over screen
Overall screen	Copper wire screen with copper counter helix
Radial watertight	Laminated metal foil
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS(FL)2Y 1x240 RM/25 20,8/36kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	83,2 kV

Chemical parameters

Zero Halogen	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-15 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	38	1203	0.443	0.14	0.47	212	230	1000
1x95RM/16	30.2	39.6	1333	0.32	0.15	0.44	253	278	1000
1x120RM/16	31.6	41.3	1467	0.253	0.16	0.43	287	320	1000
1x150RM/25	33	42.6	1673	0.206	0.18	0.41	321	361	1000
1x185RM/25	34.6	44.4	1845	0.164	0.19	0.4	362	414	1000
1x240RM/25	37	47	2095	0.125	0.21	0.38	422	489	1000
1x300RM/25	39.4	49.5	2362	0.1	0.23	0.37	474	558	1000
1x400RM/35	42.1	52.6	2819	0.0778	0.25	0.35	540	647	1000
1x500RM/35	45.2	55.9	3275	0.0605	0.27	0.34	608	740	1000
1x630RM/35	48.6	61.2	3930	0,0469	0.29	0.33	686	890	500

NA2XS2Y 6/10 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS2Y 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26	704	0.443	0.28	0.4	209	226	1000
1x95RM/16	19.4	27.5	801	0.32	0.31	0.38	249	275	1000
1x120RM/16	20.8	28.9	897	0.253	0.36	0.37	283	317	1000
1x150RM/25	22.2	30.3	1084	0.206	0.37	0.36	316	359	1000
1x185RM/25	23.8	31.9	1213	0.164	0.4	0.34	358	412	1000
1x240RM/25	26.2	34.3	1407	0.125	0.45	0.33	416	489	1000
1x300RM/25	28.6	36.7	1632	0.1	0.49	0.32	469	559	1000
1x400RM/35	31.7	40	2039	0.0778	0.56	0.31	532	651	1000
1x500RM/35	34.4	43	2420	0.0605	0.61	0.29	599	744	1000
1x630RM/35	38	46.2	2855	0.0469	0.65	0.28	674	850	1000

NA2XS2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS2Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	30	856	0.443	0.19	0.43	211	229	1000
1x95RM/16	23.6	31.7	968	0.32	0.21	0.41	252	278	1000
1x120RM/16	25	33.1	1073	0.253	0.23	0.39	287	320	1000
1x150RM/25	26.4	34.5	1268	0.206	0.25	0.38	320	363	1000
1x185RM/25	28	36.1	1410	0.164	0.27	0.37	362	415	1000
1x240RM/25	30.4	38.5	1618	0.125	0.3	0.35	421	493	1000
1x300RM/25	32.8	40.9	1858	0.1	0.33	0.34	474	563	1000
1x400RM/35	35.5	43.7	2251	0.0778	0.37	0.33	538	652	1000
1x500RM/35	38.6	46.8	2654	0.0605	0.4	0.32	606	746	1000
1x630RM/35	42.2	50.4	3138	0.0469	0.43	0.31	683	854	1000

NA2XS2Y 18/30 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS2Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	35	1077	0.443	0.15	0.46	214	232	1000
1x95RM/16	28.6	36.7	1203	0.32	0.16	0.44	256	281	1000
1x120RM/16	30	38.1	1319	0.253	0.18	0.42	290	323	1000
1x150RM/25	31.4	39.5	1524	0.206	0.19	0.4	324	365	1000
1x185RM/25	33	41.1	1677	0.164	0.2	0.39	366	418	1000
1x240RM/25	35.4	43.5	1903	0.125	0.22	0.37	426	494	1000
1x300RM/25	37.8	45.9	2161	0.1	0.24	0.36	479	564	1000
1x400RM/35	40.5	48.7	2573	0.0778	0.27	0.34	545	654	1000
1x500RM/35	43.6	52	3014	0.0605	0.29	0.34	614	747	1000

NA2XS2Y 20/36 kV - Medium-voltage cables with XLPE insulation, PE outdoorsheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 S1 Part 5B-1
Type designation	NA2XS2Y

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Marking	NA2XS2Y 1 x 240 RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	83,2 kV

Chemical parameters

Zero Halogen	Yes
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-15 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	35.8	1113	0.443	0.14	0.47	214	232	1000
1x95RM/16	30.2	37.5	1241	0.32	0.15	0.44	256	281	1000
1x120RM/16	31.6	39.1	1370	0.253	0.16	0.43	290	323	1000
1x150RM/25	33	40.5	1577	0.206	0.18	0.41	324	365	1000
1x185RM/25	34.6	42.3	1745	0.164	0.19	0.4	366	418	1000
1x240RM/25	37	44.9	1988	0.125	0.21	0.38	426	494	1000
1x300RM/25	39.4	47.3	2251	0.1	0.23	0.37	479	564	1000
1x400RM/35	42.1	50.5	2699	0.0778	0.25	0.35	545	654	1000
1x500RM/35	45.2	53.8	3148	0.0605	0.27	0.34	614	747	1000
1x630RM/35	48.6	60.7	3920	0,0469	0.29	0.33	686	890	500

N2XSJ 6/10 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XSJ

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	N2XSJ 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

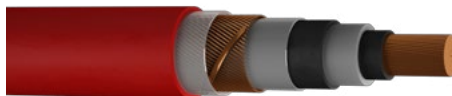
Performance against fire	EN 60332-1
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26	1211	0.268	0.28	0.4	269	292	1000
1x95RM/16	19.4	27.5	1470	0.193	0.31	0.38	321	354	1000
1x120RM/16	20.8	28.9	1715	0.153	0.36	0.37	364	407	1000
1x150RM/25	22.2	30.3	2070	0.124	0.37	0.36	405	460	1000
1x185RM/25	23.8	31.9	2430	0.0991	0.4	0.34	457	527	1000
1x240RM/25	26.2	34.3	2992	0.0754	0.45	0.33	528	621	1000
1x300RM/25	28.6	36.7	3588	0.0601	0.49	0.32	593	709	1000
1x400RM/35	31.7	40	4541	0.047	0.56	0.31	665	815	1000
1x500RM/35	34.4	43	5602	0.0366	0.61	0.29	739	921	1000

N2XS_Y 12/20 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS _Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	N2XS _Y 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Performance against fire	EN 60332-1
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	30	1377	0.268	0.19	0.43	273	296	1000
1x95RM/16	23.6	31.7	1654	0.193	0.21	0.41	325	358	1000
1x120RM/16	25	33.1	1909	0.153	0.23	0.39	368	412	1000
1x150RM/25	26.4	34.5	2272	0.124	0.25	0.38	410	466	1000
1x185RM/25	28	36.1	2644	0.0991	0.27	0.37	463	532	1000
1x240RM/25	30.4	38.5	3221	0.0754	0.3	0.35	534	627	1000
1x300RM/25	32.8	40.9	3832	0.0601	0.33	0.34	601	715	1000
1x400RM/35	35.5	43.7	4764	0.047	0.37	0.33	674	816	1000
1x500RM/35	38.6	46.8	5836	0.0366	0.4	0.32	750	927	1000

N2XS Y 18/30 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	N2XS Y

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	N2XS Y 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	35	1619	0.268	0.15	0.46	276	299	1000
1x95RM/16	28.6	36.7	1910	0.193	0.16	0.44	329	362	1000
1x120RM/16	30	38.1	2176	0.153	0.18	0.42	373	416	1000
1x150RM/25	31.4	39.5	2548	0.124	0.19	0.4	415	469	1000
1x185RM/25	33	41.1	2932	0.0991	0.2	0.39	468	536	1000
1x240RM/25	35.4	43.5	3526	0.0754	0.22	0.37	541	630	1000
1x300RM/25	37.8	45.9	4155	0.0601	0.24	0.36	608	717	1000
1x400RM/35	40.5	48.7	5107	0.047	0.27	0.34	684	823	1000
1x500RM/35	43.6	52	6227	0.0366	0.29	0.34	762	929	1000

N2XSY 20/36 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 Part 5B
Type designation	N2XSY

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	N2XSY 1x240RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	72,8 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	35.8	1635	0.268	0.14	0.47	276	299	1000
1x95RM/16	30.2	37.5	1928	0.193	0.15	0.44	329	362	1000
1x120RM/16	31.6	39.1	2212	0.153	0.16	0.43	373	416	1000
1x150RM/25	33	40.5	2586	0.124	0.18	0.41	415	469	1000
1x185RM/25	34.6	42.3	2991	0.0991	0.19	0.4	468	536	1000
1x240RM/25	37	44.9	3610	0.0754	0.21	0.38	541	630	1000
1x300RM/25	39.4	47.3	4243	0.0601	0.23	0.37	608	717	1000
1x400RM/35	42.1	50.5	5249	0.047	0.25	0.35	684	823	1000
1x500RM/35	45.2	53.8	6377	0.0366	0.27	0.34	762	929	1000

NA2XSJ 6/10 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XSJ

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	NA2XSJ 1 x 240 RM/25 6/10kV

Electrical parameters

Rated voltage	6/10 kV
Test voltage (AC)	21 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	17.7	26	806	0.443	0.28	0.4	209	226	1000
1x95RM/16	19.4	27.5	905	0.32	0.31	0.38	249	275	1000
1x120RM/16	20.8	28.9	1008	0.253	0.36	0.37	283	317	1000
1x150RM/25	22.2	30.3	1200	0.206	0.37	0.36	316	359	1000
1x185RM/25	23.8	31.9	1336	0.164	0.4	0.34	358	412	1000
1x240RM/25	26.2	34.3	1540	0.125	0.45	0.33	416	489	1000
1x300RM/25	28.6	36.7	1775	0.1	0.49	0.32	469	559	1000
1x400RM/35	31.7	40	2200	0.0778	0.56	0.31	532	651	1000
1x500RM/35	34.4	43	2604	0.0605	0.61	0.29	599	744	1000
1x630RM/35	38	46.2	3037	0.0469	0.65	0.28	674	850	1000

NA2XSY 12/20 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XSY

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	NA2XSY 1 x 240 RM/25 12/20kV

Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	30	971	0.443	0.19	0.43	211	229	1000
1x95RM/16	23.6	31.7	1090	0.32	0.21	0.41	252	278	1000
1x120RM/16	25	33.1	1201	0.253	0.23	0.39	287	320	1000
1x150RM/25	26.4	34.5	1402	0.206	0.25	0.38	320	363	1000
1x185RM/25	28	36.1	1550	0.164	0.27	0.37	362	415	1000
1x240RM/25	30.4	38.5	1768	0.125	0.3	0.35	421	493	1000
1x300RM/25	32.8	40.9	2018	0.1	0.33	0.34	474	563	1000
1x400RM/35	35.5	43.7	2423	0.0778	0.37	0.33	538	652	1000
1x500RM/35	38.6	46.8	2838	0.0605	0.4	0.32	606	746	1000
1x630RM/35	42.2	50.4	3338	0.0469	0.43	0.31	683	854	1000

NA2XSY 18/30 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	DIN VDE 0276-620
Type designation	NA2XSY

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	NA2XSY 1 x 240 RM/25 18/30kV

Electrical parameters

Rated voltage	18/30 kV
Test voltage (AC)	63 kV

Chemical parameters

Performance against fire	EN 60332-1
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	26.9	35	1213	0.443	0.15	0.46	214	232	1000
1x95RM/16	28.6	36.7	1346	0.32	0.16	0.44	256	281	1000
1x120RM/16	30	38.1	1468	0.253	0.18	0.42	290	323	1000
1x150RM/25	31.4	39.5	1678	0.206	0.19	0.4	324	365	1000
1x185RM/25	33	41.1	1838	0.164	0.2	0.39	366	418	1000
1x240RM/25	35.4	43.5	2074	0.125	0.22	0.37	426	494	1000
1x300RM/25	37.8	45.9	2342	0.1	0.24	0.36	479	564	1000
1x400RM/35	40.5	48.7	2766	0.0778	0.27	0.34	545	654	1000
1x500RM/35	43.6	52	3229	0.0605	0.29	0.34	614	747	1000

NA2XSY 20/36 kV - Medium-voltage cables with XLPE insulation, PVC outersheath



Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

Global data

Standard	HD 620 Part 5B
Type designation	NA2XSY

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Inner Sheath	Bedding
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PVC sheath
Available colours	Red
Marking	NA2XSY 1 x 240 RM/25 20,8/36 kV

Electrical parameters

Rated voltage	20/36 kV
Test voltage (AC)	72,8 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	28.5	35.8	1230	0.443	0.14	0.47	214	232	1000
1x95RM/16	30.2	37.5	1363	0.32	0.15	0.44	256	281	1000
1x120RM/16	31.6	39.1	1504	0.253	0.16	0.43	290	323	1000
1x150RM/25	33	40.5	1716	0.206	0.18	0.41	324	365	1000
1x185RM/25	34.6	42.3	1898	0.164	0.19	0.4	366	418	1000
1x240RM/25	37	44.9	2158	0.125	0.21	0.38	426	494	1000
1x300RM/25	39.4	47.3	2430	0.1	0.23	0.37	479	564	1000
1x400RM/35	42.1	50.5	2907	0.0778	0.25	0.35	545	654	1000
1x500RM/35	45.2	53.8	3380	0.0605	0.27	0.34	614	747	1000

Nominal values

H05RN-F - Flexible rubber cables



Application

This flexible rubber cable, with its tough sheathing, is used to feed electrical applications in production environments or other worksites. Very flexible. Strong sheathing material. Excellent resistance to oil and greases (EN 60811-2-1). Good resistance to weather influences (including ozone).

Global data

Standard	EN 50525-2-21
Type designation	H05RN-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Conductor material bare copper Conductor shape round (R) Conductor copper, finely stranded (F), Cl.5 in accordance with DIN VDE 0295/IEC 60228
Insulation	Vulcanized rubber compound, basis EPR, compound EI4 in accordance with EN 50363 Color code: up to 5 cores: colored in accordance with HD 308 (DIN VDE 0293-308)
Outer sheath	Synthetic rubber compound, compound EM2 in accordance with EN 50363
Available colours	Black
Marking	H05RN-F 3 G 1,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1-2
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	60 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250°C
Minimum installation temperature	-25 °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x0,75	2.3	6.1	51	26	Eca	1001847	100, 1000, >=2000
2x1,0	2.4	6.6	61	19.5	Eca	1001847	100, 1000, >=2000
3G0,75	2.3	6.6	63	26	Eca	1001847	100, 1000, >=2000
3G1	2.4	6.9	73	19.5	Eca	1001847	100, 1000, >=2000
4G0,75	2.3	7.2	77	26	Eca	1001847	100, 1000, >=2000
4G1	2.4	7.5	89	19.5	Eca	1001847	100, 1000, >=2000

H07RN-F - Flexible rubber cables



Application

Suitable for use in dry, humid or moist rooms and outdoor for transportable motors or machines on building sites or in agricultural works. Medium mechanical stresses, e.g. for industrial and agricultural workshop appliances, large boiling installations, heating plates, inspection lamps, electric tools such as drills, circular saws, domestic electric tools. Can be used in workshops having an explosive atmosphere. When a cable is used in the presence of explosive or flammable atmosphere, guidance should be respected with reference to EN 60079 series of specifications and guidance should be sought in selecting the suitable cables. Applicable in fixed installations e.g. on rough-cast in temporary buildings for accommodation purposes, also for wiring of constructional components in lifting appliances and machinery. Usage up to 1000 V A/C is permitted for fixed, protected installation (in conduit or in appliances) and also for motor connections of hoisting motors and the like. The cables are not suitable for applications involving permanent immersion in water. In other aspects the specifications of DIN VDE 0298 part 300 apply. Oil resistant to EN 60811-404. Resistant to ozone (EN 50363-1 for insulation and EN 50363-2-1 for the outer sheath).

Global data

Standard	EN 50525-2-21
Type designation	H07RN-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Conductor material bare copper Conductor shape round (R) Conductor copper, finely stranded (F), Cl.5 in accordance with DIN VDE 0295 / IEC 60228
Insulation	Cross-linked rubber compound (EPR) EI4 according to EN 50363-1 Color code: up to 5 cores: colored in accordance with HD 308 (DIN VDE 0293-308)
Outer sheath	Vulcanized rubber compound, basis CPE, compound EM2 in accordance with EN 50363. Inner sheath: for multicore cables with wall thickness of sheath > 2,4mm and control cables: Vulcanized rubber compound, basis EPR, compound EM6 in accordance with EN 50363; colour of sheath: light. Color code: up to 5 cores: colored in accordance with HD 308 (DIN VDE 0293-308), from 6 cores: in accordance EN50525-1.
Available colours	Black
Marking	H07RN-F 3 G 1,5 450/750V

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	2,5 kV

Chemical parameters

Performance against fire	EN 60332-1-2
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	60 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250°C
Minimum installation temperature	Fix installation -40°C. Flexible installation -25°C

H07RN-F - Flexible rubber cables

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
1x1,5	3.1	5.9	49	13.3	Eca	1003569	100, 500, 1000, >=2000
1x2,5	3.7	6.5	65	7.98	Eca	1003569	100, 500, 1000
1x4	4.4	7.4	89	4.95	Eca	1003569	100, 500, 1000
1x6	5	8.2	115	3.3	Eca	1003569	100, 500, 1000
1x10	6.4	10	180	1.91	Eca	1003569	100, 500, 1000
1x16	7.4	11.2	248	1.21	Eca	1003569	100, 500, 1000, >=2000
1x25	9	13	356	0.78	Eca	1003569	100, 500, 1000, >=2000
1x35	10.6	15	482	0.554	Eca	1003569	100, 500, 1000, >=2000
1x50	13	17.8	677	0.386	Eca	1003569	100, 500, 1000, >=2000
1x70	14.9	20.1	917	0.272	Eca	1003569	500, 1000, 1500
1x95	17.1	22.7	1175	0.206	Eca	1003569	>=2000
1x120	19.1	25.1	1475	0.161	Eca	1003569	500, 1000, >=2000
1x150	21.2	27.6	1819	0.129	Eca	1003569	1000
1x185	23.3	30.1	2166	0.106	Eca	1003569	500, 1000
1x240	26.4	33.4	2791	0.0801	Eca	1003569	500, 1000
1x300	29.4	36.6	3430	0.0641	Eca	1003569	500, 1000
2x1,0	2.8	8.1	87	19.5	Eca	1003568	50, 100, 500, 1000, >=2000
2x1,5	3.1	9.4	118	13.3	Eca	1003568	100, 500, 1000
2x2,5	3.7	11.2	172	7.98	Eca	1003568	100, 500, 1000, >=2000
2x4	4.4	13	238	4.95	Eca	1003568	100, 500, 1000, >=2000
2x6	5	13.7	285	3.3	Eca	1003568	100, 500, 1000, >=2000
2x10	6.4	18.7	540	1.91	Eca	1003568	100, 500, 1000
2x16	7.4	21.2	731	1.21	Eca	1003568	100, 500, 1000
2x25	9	24.9	1049	0.78	Eca	1003568	100, 500, 1000
2x35	10.6	28.5	1395	0.554	Eca	1003568	100, 500, 1000
2x50	13	33.8	1971	0.386	Eca	1003568	100, 500, 1000
2x70	14.9	38.4	2640	0.272	Eca	1003568	100, 500, 1000
2x95	17.1	43.6	3395	0.206	Eca	1003568	100, 500, 1000
3G1,0	2.8	8.8	105	19.5	Eca	1003568	100, 500, 1000, >=2000
3G1,5	3.1	9.8	134	13.3	Eca	1003568	25, 50, 100, 500, 1000, >=2000
3G2,5	3.7	11.5	192	7.98	Eca	1003568	100, 500, 1000, >=2000
3G4	4.4	13.2	267	4.95	Eca	1003568	100, 500, 1000, >=2000
3G6	5	14.7	351	3.3	Eca	1003568	100, 500, 1000, >=2000
3G10	6.4	20	667	1.91	Eca	1003568	100, 500, 1000, >=2000
3G16	7.4	22.7	912	1.21	Eca	1003568	100, 500, 1000, >=2000
3G25	9	26.7	1317	0.78	Eca	1003568	100, 500, 1000

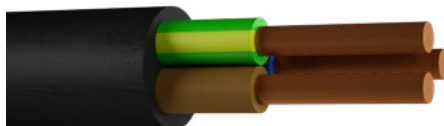
H07RN-F - Flexible rubber cables

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
3G35	10.6	30.7	1770	0.554	Eca	1003568	100, 500, 1000
3G50	13	36.3	2495	0.386	Eca	1003568	100, 500, 1000
3G70	14.9	41.1	3338	0.272	Eca	1003568	100, 500, 1000
3G95	17.1	46.8	4312	0.206	Eca	1003568	500
3G120	19.1	51.6	5375	0.161	Eca	1003568	100, 500, 1000
3G150	21.2	56.8	6621	0.129	Eca	1003568	100, 500, 1000
3G185	23.2	62.1	7896	0.106	Eca	1003568	100, 500, 1000
4G1,0	2.8	9.7	130	19.5	Eca	1003568	100, 500, 1000, >=2000
4G1,5	3.1	10.7	166	13.3	Eca	1003568	50, 100, 500, 1000, >=2000
4G2,5	3.7	12.6	240	7.98	Eca	1003568	50, 100, 500, 1000, >=2000
4G4	4.4	14.5	335	4.95	Eca	1003568	50, 100, 500, 1000, >=2000
4G6	5	16.3	448	3.3	Eca	1003568	100, 500, 1000, >=2000
4G10	6.4	21.9	820	1.91	Eca	1003568	100, 500, 1000, >=2000
4G16	7.4	24.8	1127	1.21	Eca	1003568	100, 500, 1000, >=2000
4G25	9	29.6	1663	0.78	Eca	1003568	100, 500, 1000, 1500
4G35	10.6	34	2235	0.554	Eca	1003568	50, 100, 500, 1000, 1500
4G50	13	40.2	3149	0.386	Eca	1003568	500, 1000
4G70	14.9	45.7	4245	0.272	Eca	1003568	500
4G95	17.1	52.3	5522	0.206	Eca	1003568	500
4G120	19.1	57.2	6826	0.161	Eca	1003568	400, 500
4G150	21.2	63.2	8477	0.129	Eca	1003568	300
4G185	23.2	69.2	10131	0.106	Eca	1003568	300
5G1,0	2.8	10.7	159	19.5	Eca	1003568	100, 500, 1000
5G1,5	3.1	11.8	201	13.3	Eca	1003568	50, 100, 500, 1000, >=2000
5G2,5	3.7	13.8	290	7.98	Eca	1003568	25, 50, 100, 500, 1000, >=2000
5G4	4.4	16.2	412	4.95	Eca	1003568	50, 100, 500, 1000, >=2000
5G6	5	18.2	550	3.3	Eca	1003568	1000
5G10	6.4	24.1	990	1.91	Eca	1003568	100, 500, 1000, >=2000
5G16	7.4	27.5	1379	1.21	Eca	1003568	25, 100, 500, 1000, 1500
5G25	9	32.8	2029	0.78	Eca	1003568	100, 500, 1000, 1500
5G35	10.6	37.4	2708	0.554	Eca	1003568	100, 500, 1000
5G50	13	44.7	3899	0.386	Eca	1003568	500, 700
5G70	14.9	50.9	5273	0.272	Eca	1003568	500
5G95	17.1	57.9	6815	0.206	Eca	1003568	400
5G120	19.1	63.2	8406	0.161	Eca	1003568	100, 500, 1000
6G1,5	3.1	14.1	285	13.3	Eca	1003568	100, 500, 1000
6G2,5	3.7	16.3	400	7.98	Eca	1003568	100, 500, 1000
6G4	4.4	18.9	557	4.95	Eca	1003568	1000

H07RN-F - Flexible rubber cables

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
7G1,5	3.1	15.2	329	13.3	Eca	1003568	500, 1000
7G2,5	3.7	17.6	458	7.98	Eca	1003568	500, 1000
7G4	4.4	20.6	652	4.95	Eca	1003568	100, 500, 1000
12G1,5	3.1	18.5	489	13.3	Eca	1003568	100, 500, 1000
12G2,5	3.7	21.4	691	7.98	Eca	1003568	100, 500, 1000
12G4	4.4	25.1	993	4.95	Eca	1003568	100, 500, 1000
18G1,5	3.1	21.6	683	13.3	Eca	1003568	100, 500, 1000
18G2,5	3.7	25.2	981	7.98	Eca	1003568	100, 500, 1000
18G4	4.4	29.6	1406	4.95	Eca	1003568	100, 500, 1000
24G1,5	3.1	25.3	899	13.3	Eca	1003568	100, 500, 1000
24G2,5	3.7	29.7	1303	7.98	Eca	1003568	100, 500, 1000
36G1,5	3.1	28.9	1241	13.3	Eca	1003568	100, 500, 1000
36G2,5	3.7	34.1	1821	7.98	Eca	1003568	100, 500, 1000

H05RR-F - Flexible rubber cords



Application

This flexible rubber cable, with its tough sheathing, is used to feed electrical applications in production environments or other worksites. Very flexible. Strong sheathing material. Excellent resistance to oil and greases (EN 60811-2-1). Good resistance to weather influences (including ozone).

Global data

Standard	EN 50525-2-21
Type designation	H05RR-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see www.prysmiangroup.com/cpr

Design features

Conductor	Conductor Material bare copper Conductor shape round (R) Conductor Copper, finely stranded (F), class 5 in accordance with DIN VDE 0295 / IEC 60228
Insulation	Insulation vulcanized rubber compound, basis EPR, compound E14 in accordance with EN 50363 Color code colored in accordance with HD 308 (DIN VDE 0293-308)
Core arrangement	Cores layed-up together
Outer sheath	Outer sheath vulcanized rubber compound, basis CPE, compound EM3 in accordance with EN 50363, Resistance to oil DIN EN 60811-2-1
Available colours	Black
Marking	U PRYSMIAN MEEI <HAR> H05RR-F 3 G 1,5 300/500 V CE

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

Chemical parameters

Performance against fire	EN 60332-1-2
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	60 °C
Max. operating temperature of the conductor	60 °C
Max. operating temperature of conductor at short-circuit	250°C
Minimum installation temperature	-25 °C
Ambient temperature for fixed installation	min °C ; max + °C
Ambient temperature in fully flexible operation	min °C ; max + °C

H05RR-F - Flexible rubber cords

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	CPR fire class	CPR DoP-Code	Delivery length m
2x0,75	2.3	6.2	53	26	Eca	1004146	100, 500, 1000, >=2000
2x1,0	2.4	6.7	63	19.5	Eca	1004146	100, 500, 1000
2x1,5	3.1	8.2	94	13.3	Eca	1004146	100, 1000
2x2,5	3.7	9.6	134	7.98	Eca	1004146	50, 100, 1000
2x4	4.4	11.2	190	4.95	Eca	1004146	100, 1000
3G0,75	2.3	6.7	65	26	Eca	1004146	100, 1000, >=2000
3G1,0	2.4	7	75	19.5	Eca	1004146	100, 1000
3G1,5	3.1	8.7	111	13.3	Eca	1004146	50, 100, 1000, >=2000
3G2,5	3.7	10.2	161	7.98	Eca	1004146	50, 100, 1000
3G4	4.4	11.9	231	4.95	Eca	1004146	50, 100, 1000
3G6	5	13.4	311	3.3	Eca	1004146	100, 1000
4G0,75	2.3	7.3	79	26	Eca	1004146	100, 1000, >=2000
4G1,0	2.4	7.6	92	19.5	Eca	1004146	100, 500, 1000
4G1,5	3.1	9.6	141	13.3	Eca	1004146	50, 100, 500, 1000
4G2,5	3.7	11.3	204	7.98	Eca	1004146	50, 100, 500, 1000, >=2000
4G4	4.4	13.2	295	4.95	Eca	1004146	100, 1000
4G6	5	14.8	397	3.3	Eca	1004146	100, 1000
5G0,75	2.3	8.1	98	26	Eca	1004146	100, 1000
5G1,0	2.4	8.5	115	19.5	Eca	1004146	100, 1000
5G1,5	3.1	10.5	169	13.3	Eca	1004146	100, 1000, >=2000
5G2,5	3.7	12.5	252	7.98	Eca	1004146	100, 500, 1000, >=2000
5G4	4.4	14.7	361	4.95	Eca	1004146	100, 1000

Linking the future

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