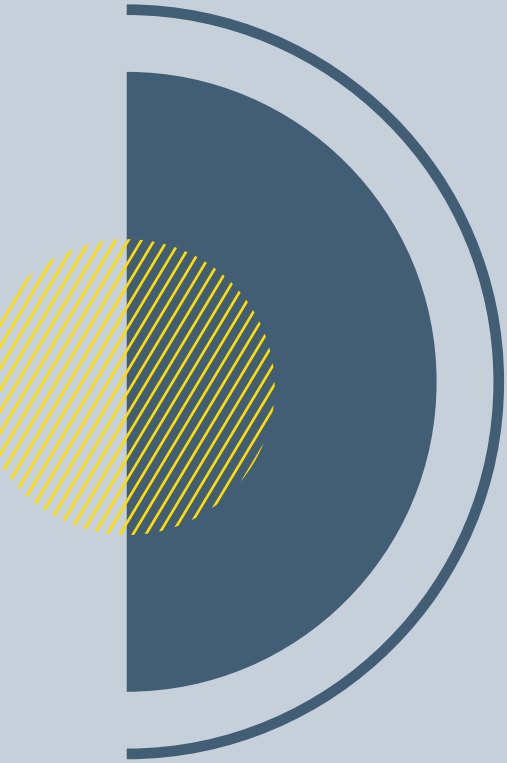
CATALOGUE

OF CABLE AND WIRE PRODUCTS

Electro Cable Group



ECG

QUALITY CERTIFICATES

LAN cables
PE – Cat. 5e, Cat. 6, Cat. 6A
Aluminium cables
AXMK

Copper Cables
NYY · H03VV-F, H05VV-F · H05V-U/R/K · H07V-U/R/K · YMS · YSLY 300/500V · YSLY 600/1000V
N2XY · EYY · NYBY · NYIFY · 6181Y, 6181XY · 6141Y, 6241Y, 6242Y, 6243Y
Tri-rated · YY · YV-K · CYKYL-U/F
LAN cables
PVC – Cat. 5e, Cat. 6, Cat. 6A
Aluminium cables
NAYY · EAYY

S

LAN cables
LSZH – Cat. 5e, Cat. 6, Cat. 6A

Copper Cables
H07Z1-R, H07Z1-K

Copper Cables
NYY
H03VV-F, H05VV-F
H05V-U/R/K
H07V-U/R/K

Copper Cables
H07Z1-R, H07Z1-K · NYY · H03VV-F, H05VV-F · H05V-U/R/K · H07V-U/R/K · YMS
YSLY 300/500V · YSLY 600/1000V · N2XY · EYY · NYBY · NYIFY ·
6181Y, 6181XY · 6141Y, 6241Y, 6242Y, 6243Y · Tri-rated
LAN cables
PVC – Cat. 5e, Cat. 6, Cat. 6A · LSZH – Cat. 5e, Cat. 6, Cat. 6A · PE – Cat. 5e, Cat. 6, Cat. 6A
Aluminium cables
NAYY · EAYY · AXMK

ABOUT ECG

Electro Cable Group is an independent family-owned company run by the third generation.

With production sites all over Ukraine we produce wide range of products from copper cathodes to power and telecom cables for local and export markets.

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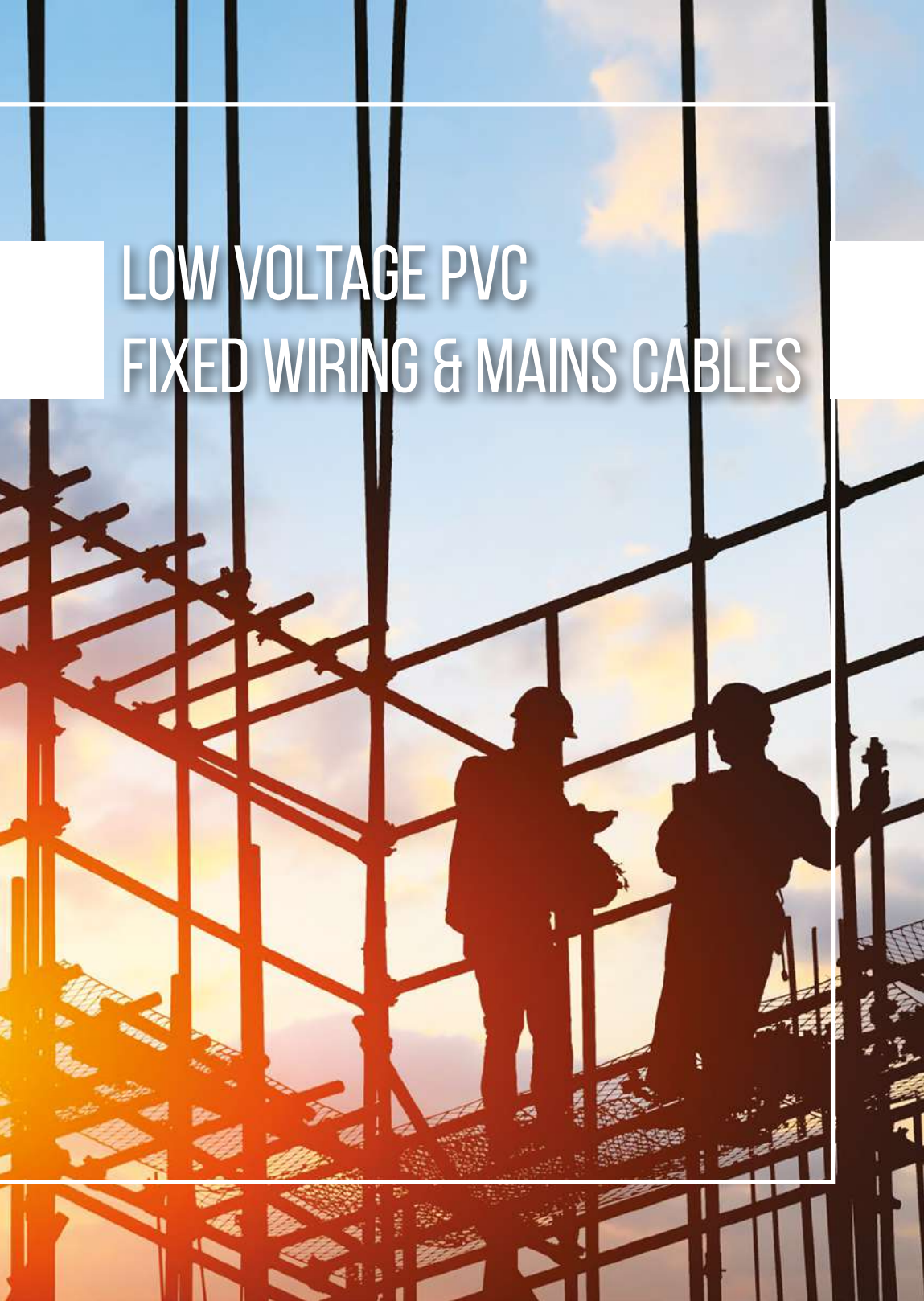
CONTENTS

LOW VOLTAGE PVC FIXED WIRING & MAINS CABLES



H07V-R (6491X) PVC

Stranded plain annealed compacted circular copper conductor, PVC outer sheath. Manufactured to EN 50525-2-31, BS 6004:2012. 450/750 volts grade to BS EN 50525-2-3. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07VR1/5	1.5	7/0.5	2.9	12.9	18.9
H07VR2/5	2.5	13/0.5	3.6	20.9	29.3
H07VR4	4	20/0.5	4.1	33.8	43.8
H07VR6	6	30/0.5	4.8	50.9	62.5
H07VR10	10	7/1.34	6.1	84.1	103
H07VR16	16	7/1.67	7.01	138	166
H07VR25	25	7/2.09	8.67	216	257
H07VR35	35	7/2.46	9.78	299	347
H07VR50	50	19/1.78	11.8	412	479
H07VR70	70	19/2.14	13.4	591	669
H07VR95	95	19/2.49	15.65	814	920
H07VR120	120	37/2,03	17.2	1030	1130
H07VR150	150	37/2.21	19.07	1249	1395
H07VR185	185	37/2.46	21.22	1532	1712
H07VR240	240	37/2.82	24.14	2034	2260
HO7VR300	300	37/3.2	27.2	2593	2872
H07VR400	400	61/2.87	31.0	3438	3785
H07VR500	500	61/3.2	34.4	4275	4689
H07VR625	625	91/2.91	37.6	5273	5730
H07VR800	800	91/3.3	40.8	6377	6875
H07VR1000	1000	127/3.15	46.8	8571	9187

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....5 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

6181Y SURFACE WIRING CABLES PVC

Plain annealed stranded circular copper conductor, single core, PVC insulated, PVC sheathed. 300/500 volts to BS6004, 120mm rated at 600/1000 V. Flame propagation to BS EN 50265-2-1.

ECG Code	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
6181Y1	1	1/1.13	4.0	8.8	25
6181Y1/5	1.5	1/1.36	4.4	12.92	31
6181Y2/5	2.5	1/1.73	5.0	20.91	44
6181Y4	4	20/0.5	5.9	33.8	65
6181Y6	6	30/0.5	6.4	50.9	88
6181Y10	10	7/1.34	7.8	84.1	140
6181Y16	16	7/1.67	9.0	137	200
6181Y25	25	7/2.09	10.9	215	301
6181Y35	35	7/2.46	12.1	298	400
6181Y50	50	19/1.78	14.3	412	540
6181Y70	70	19/2.14	15.9	590	750
6181Y95	95	19/2.49	18.2	814	1010
6181Y120	120	37/2.03	20.1	1030	1250

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....5 x overall diameter
Standard colors available: Brown/Grey or Blue/Grey.
Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

6241-Y TWIN AND EARTH PVC CABLE

Plain annealed copper conductor, PVC insulated one core laid flat with an uninsulated circuit protective conductor and PVC sheathed.300/500V to BS 6004. Flame propagation to BS EN 50265-2-1.

ECG Code	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
6241Y1	1	1/1.13	4.1 x 5.3	17.8	40.8
6241Y1/5	1.5	1/1.36	4.6 x 5.9	21.8	53.5

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....4 x overall diameter
Standard colors available: Grey.
Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

6242-Y TWIN AND EARTH PVC CABLE

Plain annealed copper conductor, PVC insulated two cores laid flat with an uninsulated circuit protective conductor and PVC sheathed.300/500V to BS 6004. Flame propagation to BS EN 50265-2-1.

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
6242Y1	2	1	1/1.13	4.1x7.6	26.7	60.8
6242Y1/5	2	1.5	1/1.36	4.6x8.7	34.7	76.3
6242Y2/5	2	2.5	1/1.73	5.3x10.4	54.7	111.5
6242Y10	2	10	7/1.34	8.4x16.8	202.5	333.5
6242Y16	2	16	7/1.67	9.6x21.6	331.7	501.1

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....3 x overall diameter
Standard colors available: Grey.
Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

6243-Y FLAT 3-CORE AND EARTH PVC CABLE

Plain annealed copper conductor, PVC insulated three cores laid flat with an uninsulated circuit protective conductor and PVC sheathed.300/500V to BS 6004. Flame propagation to BS EN 50265-2-1.

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
6243Y1	3	1	1/1.13	4.1x9.9	35.6	81.5
6243Y1/5	3	1.5	1/1.36	4.6x11.4	47.7	104.4
6243Y2/5	3	2.5	1/1.73	5.3x13.7	75.7	153.5
6243Y10	3	10	7/1.34	8.4x22.7	286.7	468.4
6243Y16	3	16	7/1.67	9.6x26.8	470.8	705.5

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....4 x overall diameter
Standard colors available: Grey.
Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07V-U PVC

Solid annealed copper conductor, PVC outer sheath. Manufactured to EN 50525-2-31, BS 6004:2012. 450/750 volts grade to BS EN 50525-2-3. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07VU1/5	1.5	1/1.37	2.76	12.9	18.9
H07VU2/5	2.5	1/1.73	3.33	20.9	29.3
H07VU4	4	1/2.2	3.8	33.8	43.7
H07VU6	6	1/2.7	4.3	50.9	62.5
H07VU10	10	1/3.5	5.47	84.1	102.6

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....10 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

NYY PVC NON-ARMORED CABLE

Solid plain copper conductors, PVC insulated, PVC filler, PVC outer sheath. Black. 600/1000 volts grade to IEC60502-1, DIN VDE 0276-603:2010-03 and HD 603 S1:1994/A3:2007. For installation indoors and outdoors as underground, or in cable ducts, installations with additional protection where mechanical damage is unexpected.

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYY1X1/5RE	1	1.5	1/1.36	5.8	12.9	48.8
NYY1X2/5RE	1	2.5	1/1.73	6.1	20.9	60.4
NYY1X4RE	1	4	1/2.2	7	33.8	83.9
NYY1X6RE	1	6	1/2.7	7.5	50.9	106.4
NYY1X10RE	1	10	1/3.5	8.3	84.1	147.8
NYY1X16RM	1	16	7/1.67	9.8	137.7	221.2
NYY1X25RM	1	25	7/2.09	11.5	215.7	324.0
NYY1X35RM	1	35	7/2.48	12.6	299.0	420.7
NYY1X50RM	1	50	19/1.76	14.3	412.2	563.2
NYY1X70RM	1	70	19/2.13	16.4	590.4	774.2
NYY1X95RM	1	95	19/2.48	18.8	814.4	1049.5
NYY1X120RM	1	120	37/2.01	26.4	1029.8	1397.0
NYY1X150RM	1	150	37/2.21	22.4	1249.4	1561.1
NYY1X185RM	1	185	37/2.48	24.8	1548.0	1923.0
NYY1X240RM	1	240	37/2.84	27.7	2034.3	2480.0
NYY1X300RM	1	300	37/3.2	31.2	2619.5	3172.9
NYY1X400RM**	1	400	61/2.85	35.2	3473.8	4147.3
NYY1X500RM**	1	500	61/3.2	38.8	4318.6	5111.8
NYY1X625RM**	1	625	91/2.95	42.2	5436.5	6324.8
NYY1X800RM**	1	800	91/3.3	46.9	6991.4	8026.2
NYY2X1/5RE	2	1.5	1/1.36	9.5	26.2	121.2
NYY2X2/5RE	2	2.5	1/1.73	10.2	42.5	150.9
NYY2X4RE	2	4	1/2.2	12	68.7	215.2
NYY2X6RE	2	6	1/2.7	13	103.5	271.9
NYY2X10RE	2	10	1/3.5	14.5	171.1	375.3
NYY2X16RM	2	16	7/1.67	20.0	280.1	659.6
NYY2X25RM	2	25	7/2.09	23.3	438.7	949.2
NYY2X35RM	2	35	7/2.48	25.6	607.	1206.5
NYY2X50RM	2	50	19/1.76	29.1	838.9	1611.7

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*
*** Conductor is uncompacted, cable without VDE*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYY2X70RM	2	70	19/2.13	33.8	1200.8	2213.1
NYY2X95RM	2	95	19/2.48	38.3	1656.6	2936.8
NYY2X120RM	2	120	37/2.01	41.6	2081.3	3564.8
NYY2X150RM	2	150	37/2.21	45.5	2541.3	4313.9
NYY2X185RM	2	185	37/2.48	49.8	3148.7	5253.2
NYY2X240RM	2	240	37/2.84	56.6	4137.8	6842.9
NYY3X1/5RE	3	1.5	1/1.36	9.9	39.4	141.2
NYY3X2/5RE	3	2.5	1/1.73	10.7	63.8	179.7
NYY3X4RE	3	4	1/2.2	12.6	103.1	260.2
NYY3X6RE	3	6	1/2.7	13.7	155.3	335.1
NYY3X10RE	3	10	1/3.5	15.3	256.6	472.9
NYY3X16RM	3	16	7/1.67	21.1	420.2	822.1
NYY3X25RM	3	25	7/2.09	24.6	658.1	1197.5
NYY3X35RM	3	35	7/2.48	27.0	911.8	1539.3
NYY3X50RM	3	50	19/1.76	30.9	1258.4	2067.3
NYY3X70RM	3	70	19/2.13	36.0	1801.3	2865.4
NYY3X95RM	3	95	19/2.48	40.8	2484.9	3820.8
NYY3X120RM	3	120	37/2.01	44.4	3121.9	4657.7
NYY3X150RM	3	150	37/2.21	48.6	3811.9	5644.8
NYY3X185RM	3	185	37/2.48	53.2	4723.1	6889.4
NYY3X240RM	3	240	37/2.84	60.5	6206.7	8982.0
NYY4X1/5RE	4	1.5	1/1.36	10.7	52.5	167.3
NYY4X2/5RE	4	2.5	1/1.73	11.6	85.0	215.8
NYY4X4RE	4	4	1/2.2	13.7	137.5	315.9
NYY4X6RE	4	6	1/2.7	14.9	207.1	411.1
NYY4X10RE	4	10	1/3.5	16.8	342.2	587.1
NYY4X16RM	4	16	7/1.67	22.9	560.2	1021.1
NYY4X25RM	4	25	7/2.09	26.9	877.5	1498.5
NYY4X35RM	4	35	7/2.48	29.8	1215.7	1950.2
NYY4X50RM	4	50	19/1.76	34.0	1677.9	2625.0
NYY4X70RM	4	70	19/2.13	39.7	2401.7	3639.4
NYY4X95RM	4	95	19/2.48	45.1	3313.2	4863.7
NYY4X120RM	4	120	37/2.01	49.0	4162.5	5940.2
NYY4X150RM	4	150	37/2.21	53.9	5082.6	7229.8
NYY4X185RM	4	185	37/2.48	59.6	6297.5	8900.2
NYY4X240RM	4	240	37/2.84	67.1	8275.6	11510
NYY5X1/5RE	5	1.5	1/1.36	11.6	65.7	195.0
NYY5X2/5RE	5	2.5	1/1.73	12.6	106.3	253.9
NYY5X4RE	5	4	1/2.2	14.9	171.9	374.4
NYY5X6RE	5	6	1/2.7	16.3	258.9	490.5
NYY5X10RE	5	10	1/3.5	18.3	427.7	705.7
NYY5X16RM	5	16	7/1.67	24.9	700.3	1238.1

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYY5X25RM	5	25	7/2.09	29.61	1096.9	1839.2
NYY5X35RM	5	35	7/2.48	32.81	1519.6	2397.6
NYY5X50RM	5	50	19/1.76	37.77	2097.3	3248.5
NYY5X70RM	5	70	19/2.13	43.98	3002.1	4499.1
NYY5X95RM	5	95	19/2.48	49.92	4141.5	6015.6
NYY5X120RM	5	120	37/2.01	54.3	5203.2	7351.2
NYY5X150RM	5	150	37/2.21	59.75	6353.2	8947.5
NYY5X185RM	5	185	37/2.48	66.01	7871.9	11007.9
NYY5X240RM	5	240	37/2.84	74.9	10344.5	14336.5
NYY3X4+1X2/5RE	3+E	4/2.5	1/2.2	15.7	124.4	388
NYY3X6+1X4RE	3+E	6/4	1/2.7	16.8	189.8	488
NYY3X10+1X6RE	3+E	10/6	1/3.5	18.8	308.5	661
NYY3X16+1X10RM	3+E	16/10	7/1.67	22.92	505.8	990
NYY3X25+1X16RM	3+E	25/16	7/2.09	26.93	798.2	1445
NYY3X35+1X16RM	3+E	35/16	7/2.48	29.81	1051.8	1816.4
NYY3X50+1X25RM	3+E	50/25	19/1.76	34.09	1477.8	2461.2
NYY3X70+1X35RM	3+E	70/35	19/2.13	38.0	2105.2	3331
NYY3X95+1X70RM	3+E	95/70	19/2.48	43.7	3085.3	4650
NYY3X120+1X70RM	3+E	120/70	37/2.01	47.5	3722.3	5543
NYY3X150+1X70RM	3+E	150/70	37/2.21	52.9	4412.4	6693
NYY3X185+1X95RM	3+E	185/95	37/2.48	58.6	5551.5	8312
NYY3X240+1X120RM	3+E	240/120	37/2.84	65.8	7247.3	10677.0
NYY4X50SM	4	50	19/1.76	29.3	1719	2422.9
NYY4X70SM	4	70	19/2.13	34.1	2395	3 175.8
NYY4X95SM	4	95	19/2.48	38.7	3274	4 301.9
NYY4X120SM	4	120	37/2.01	42.9	4140	5 276.0
NYY4X150SM	4	150	37/2.21	46.9	5022	6 420.3
NYY4X185SM	4	185	37/2.48	52.1	6223	7 877.8
NYY4X240SM	4	240	37/2.84	60.3	8178	10 246.1

Temperature limits.....-20 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius:
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Brown – Blue
• 3 cores: Green/Yellow – Brown – Blue
• 4 cores: Green/ Yellow – Grey – Black – Brown
• 5 cores: Green/Yellow – Grey – Black – Brown – Blue

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

E-YY-J, E-YY-O

A power cable suitable for use in air, soil, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids – where mechanical damages are not expected, and cables are not exposed to excessive pulling forces. HD 603 S1:1994/A3:2007, IEC60332-1-2.

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	1x16 RM	10	1.0	1.5	1.15	227
E-YY	1x25 RM	11.7	1.2	1.5	0.727	331
E-YY	1x35 RM	12.8	1.2	1.5	0.524	428
E-YY	1x50 RM	14.4	1.4	1.5	0.387	571
E-YY	1x70 RM	16.0	1.4	1.5	0.268	770
E-YY	1x95 RM	18.2	1.6	1.5	0.193	1035
E-YY	1x120 RM	19.7	1.6	1.5	0.153	1265
E-YY	1x150 RM	21.6	1.8	1.5	0.124	1533
E-YY	1x185 RM	24.2	2.0	1.7	0.0991	1905
E-YY	1x240 RM	27.0	2.2	1.7	0.0754	2457
E-YY	1x300 RM	30.6	2.4	1.7	0.0601	3128
E-YY	1x400 RM	34.8	2.6	1.9	0.0470	4110
E-YY	1x500 RM	38.2	2.8	1.9	0.0366	5051
E-YY	1x630 RM	41.6	2.8	1.9	0.0283	6367
E-YY	2x1.5 RE	8.8	0.7	1.4	12.1	121
E-YY	2x2.5 RE	9.8	0.7	1.5	7.41	157
E-YY	2x4 RE	11.5	0.9	1.5	4.61	228
E-YY	2x6 RE	12.5	0.9	1.5	3.08	289
E-YY	2x10 RE	16.2	1.0	1.5	1.83	484
E-YY	2x16 RM	18.2	1.0	1.5	1.15	657
E-YY	2x25 RM	21.5	1.2	1.5	0.727	958
E-YY	2x35 RM	24.2	1.2	1.7	0.524	1247
E-YY	2x50 RM	27.4	1.4	1.7	0.387	1654
E-YY	2x70 RM	30.6	1.4	1.7	0.268	2189
E-YY	2x95 RM	36.2	1.6	1.9	0.193	3050
E-YY	2x120 RM	39.2	1.6	1.9	0.153	3683
E-YY	2x150 RM	43.0	1.8	1.9	0.124	4458
E-YY	2x185 RM	48.4	2.0	2.2	0.0991	5584

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*
*** Conductor is uncompacted, cable without VDE*

Continuation of a table

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	2x240 RM	54.0	2.2	2.2	0.0754	7130
E-YY	3x1.5 RE	9.2	0.7	1.4	12.1	141
E-YY	3x2.5 RE	10.2	0.7	1.5	7.41	185
E-YY	3x4 RE	12.1	0.9	1.5	4.61	272
E-YY	3x6 RE	13.2	0.9	1.5	3.08	350
E-YY	3x10 RE	17.1	1.0	1.5	1.83	588
E-YY	3x16 RM	19.3	1.0	1.5	1.15	812
E-YY	3x25 RM	22.9	1.2	1.5	0.727	1195
E-YY	3x35 RM	25.7	1.2	1.7	0.524	1567
E-YY	3x50 RM	29.2	1.4	1.7	0.387	2092
E-YY	3x70 RM	33.8	1.4	1.9	0.268	2908
E-YY	3x95 RM	38.5	1.6	1.9	0.193	3893
E-YY	3x120 RM	41.8	1.6	1.9	0.153	4726
E-YY	3x150 RM	46.5	1.8	2.2	0.124	5794
E-YY	3x185 RM	51.6	2	2.2	0.0991	7160
E-YY	3x240 RM	58.4	2.2	2.6	0.0754	9296
E-YY	3x300 RM	66.8	2.4	2.9	0.0601	11949
E-YY	3x400 RM	75.0	2.6	2.9	0.0470	15470
E-YY	4x1.5 RE	10.2	0.7	1.5	12.1	174
E-YY	4x2.5 RE	11.1	0.7	1.5	7.41	225
E-YY	4x4 RE	13.2	0.9	1.5	4.61	333
E-YY	4x6 RE	14.4	0.9	1.5	3.08	433
E-YY	4x10 RE	18.7	1	1.5	1.83	729
E-YY	4x16 RM	21.1	1	1.5	1.15	1015
E-YY	4x25 RM	25.5	1.2	1.7	0.727	1528
E-YY	4x35 RM	28.2	1.2	1.7	0.524	1977
E-YY	4x50 RM	32.9	1.4	1.7	0.387	2726
E-YY	4x70 RM	37.2	1.4	1.9	0.268	3684
E-YY	4x95 RM	42.5	1.6	1.9	0.193	4949
E-YY	4x120 RM	46.7	1.6	2.2	0.153	6090
E-YY	4x150 RM	51.7	1.8	2.2	0.124	7445
E-YY	4x185 RM	57.8	2	2.6	0.0991	9238
E-YY	4x240 RM	64.6	2.2	2.6	0.0754	11862
E-YY	4x300 RM	69.8	2.4	2.9	0.0601	14834
E-YY	5x1.5 RE	11.0	0.7	1.5	12.1	206
E-YY	5x2.5 RE	12.0	0.7	1.5	7.41	269
E-YY	5x4 RE	14.3	0.9	1.5	4.61	402
E-YY	5x6 RE	15.7	0.9	1.5	3.08	526
E-YY	5x10 RE	20.3	1	1.5	1.83	876
E-YY	5x16 RM	23.1	1	1.5	1.15	1240
E-YY	5x25 RM	28.0	1.2	1.7	0.727	1872

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	5x35 RM	31.0	1.2	1.7	0.524	2430
E-YY	5x50 RM	36.6	1.4	1.9	0.387	3384
E-YY	5x70 RM	42.0	1.4	1.9	0.268	4602
E-YY	5x95 RM	47.4	1.6	2.2	0.193	6173
E-YY	5x120 RM	51.5	1.6	2.2	0.153	7516
E-YY	5x150 RM	57.4	1.8	2.6	0.124	9233
E-YY	5x185 RM	63.8	2.0	2.6	0.0991	11405
E-YY	5x240 RM	71.9	2.2	2.9	0.0754	14771
E-YY	4x50 SM	28.5	1.4	1.7	0.387	2206
E-YY	4x70 SM	31.3	1.4	1.7	0.268	2943
E-YY	4x95 SM	36.5	1.6	1.9	0.193	4021
E-YY	4x120 SM	38.9	1.6	1.9	0.153	4951
E-YY	4x150 SM	44.5	1.8	2.2	0.124	6126
E-YY	4x185 SM	49.5	2.0	2.2	0.0991	7533
E-YY	4x240 SM	57.1	2.2	2.6	0.0754	9886

Temperature limits.....-30 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature:
For cross-section area ≤300mm^2.....+160 °C
For cross-section area >300mm^2.....+140 °C
Bending radius:
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
E-YY -J:
1 cond. : Green/Yellow
3 cond. : Green/Yellow – Brown – Blue
4 cond. : Green/Yellow – Grey – Black – Brown
5 cond. : Green/Yellow – Grey – Black – Brown – Blue
E-YY-O
1 cond. : black
2 cond. : brown, blue
3 cond. : brown, black, grey
4 cond. : blue, brown, black, grey
5 cond. : blue, brown, black, grey, black

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

N2XY XLPE INSULATED CABLE

Plain annealed stranded compacted circular copper conductor, single and multiply core, XLPE insulated, PVC outer sheath. 600/1000 volts. Manufactured to HD603 S1; IEC 60502-1-2.

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XY1X10RE	1	10	1/3.5	8.4	84	152
N2XY1X16RM	1	16	7/1.67	10.1	138	222
N2XY1X25RM	1	25	7/2.09	11.6	216	322
N2XY1X35RM	1	35	7/2.48	12.8	299	420
N2XY1X50RM	1	50	19/1.76	14.4	408	550
N2XY1X70RM	1	70	19/2.13	16.4	590	762
N2XY1X95RM	1	95	19/2.48	18.2	814	1010
N2XY1X120RM	1	120	37/2.01	20.3	1030	1251
N2XY1X150RM	1	150	37/2.21	22.0	1249	1505
N2XY1X185RM	1	185	37/2.48	24.1	1548	1845
N2XY1X240RM	1	240	37/2.84	26.7	2034	2377
N2XY1X300RM	1	300	37/3.2	30.0	2620	3040
N2XY1X400RM	1	400	61/2.85	34.2	3474	4007
N2XY1X500RM	1	500	61/3.2	37.8	4319	4950
N2XY1X625RM	1	630	91/2.95	41.8	5437	6255
N2XY1X800RM	1	800	91/3.3	47.0	6991	7894
N2XY1X1000RM	1	1000	127/3.15	52.0	8932	9900
N2XY2X1/5RE	2	1.5	1/1.36	11.5	26	180
N2XY2X2/5RE	2	2.5	1/1.73	12.3	43	214
N2XY2X4RE	2	4	1/2.2	13.2	69	264
N2XY2X6RE	2	6	1/2.7	14.2	104	326
N2XY2X10RE	2	10	1/3.5	14.6	171	410
N2XY2X16RM	2	16	7/1.67	17.6	280	614
N2XY2X25RM	2	25	7/2.09	21.3	439	925
N2XY2X35RM	2	35	7/2.48	24.4	608	1194
N2XY2X50RM	2	50	19/1.76	27.3	831	1554
N2XY2X70RM	2	70	19/2.13	32.6	1201	2263
N2XY2X95RM	2	95	19/2.48	36.5	1657	2965
N2XY2X120RM	2	120	37/2.01	39.9	2081	3674
N2XY2X150RM	2	150	37/2.21	44.3	2541	4455

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XY2X185RM	2	185	37/2.48	48.8	3149	5460
N2XY2X240RM	2	240	37/2.84	54.9	4138	7004
N2XY2X400RM	2	400	61/2.85	68.5	7066	11561
N2XY3X1/5RE	3	1.5	1/1.36	11.9	39	200
N2XY3X2/5RE	3	2.5	1/1.73	12.7	64	243
N2XY3X4RE	3	4	1/2.2	13.8	103	307
N2XY3X6RE	3	6	1/2.7	14.8	155	387
N2XY3X10RE	3	10	1/3.5	15.3	257	500
N2XY3X16RM	3	16	7/1.67	18.6	420	797
N2XY3X25RM	3	25	7/2.09	23.4	658	1164
N2XY3X35RM	3	35	7/2.48	28.4	912	1505
N2XY3X50RM	3	50	19/1.76	29.2	1258	1986
N2XY3X70RM	3	70	19/2.13	34.8	1801	2837
N2XY3X95RM	3	95	19/2.48	39.0	2485	3740
N2XY3X120RM	3	120	37/2.01	42.9	3122	4617
N2XY3X150RM	3	150	37/2.21	47.4	3812	5621
N2XY3X185RM	3	185	37/2.48	52.2	4723	6893
N2XY3X240RM	3	240	37/2.84	58.8	6207	8927
N2XY4X1/5RE	4	1.5	1/1.36	12.7	53	230
N2XY4X2/5RE	4	2.5	1/1.73	13.6	85	284
N2XY4X4RE	4	4	1/2.2	14.7	138	365
N2XY4X6RE	4	6	1/2.7	15.9	207	466
N2XY4X10RE	4	10	1/3.5	16.6	342	617
N2XY4X16RM	4	16	7/1.67	20.2	560	985
N2XY4X25RM	4	25	7/2.09	25.5	878	1453
N2XY4X35RM	4	35	7/2.48	28.4	1216	1903
N2XY4X50RM	4	50	19/1.76	31.3	1678	2571
N2XY4X70RM	4	70	19/2.13	37.7	2402	3599
N2XY4X95RM	4	95	19/2.48	43.0	3313	4762
N2XY4X120RM	4	120	37/2.01	47.6	4163	5910
N2XY4X150RM	4	150	37/2.21	52.5	5083	7290
N2XY4X185RM	4	185	37/2.48	58.1	6298	8955
N2XY4X240RM	4	240	37/2.84	64.5	8276	11515
N2XY5X1/5RE	5	1.5	1/1.36	11.9	66	222
N2XY5X2/5RE	5	2.5	1/1.73	12.9	106	286
N2XY5X4RE	5	4	1/2.2	14.1	172	382
N2XY5X6RE	5	6	1/2.7	15.5	259	503
N2XY5X10RE	5	10	1/3.5	17.9	428	780
N2XY5X16RM	5	16	7/1.67	22.1	700	1191
N2XY5X25RM	5	25	7/2.09	28.0	1097	1781
N2XY5X35RM	5	35	7/2.48	31.2	1520	2338
N2XY5X50RM	5	50	19/1.76	36.0	2097	3158

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XY5X70RM	5	70	19/2.13	42.2	3002	4430
N2XY5X95RM	5	95	19/2.48	47.6	4142	5894
N2XY5X120RM	5	120	37/2.01	52.7	5203	7413
N2XY5X150RM	5	150	37/2.21	58.1	6353	8916
N2XY5X185RM	5	185	37/2.48	63.7	7872	11079
N2XY5X240RM	5	240	37/2.84	71.5	10345	14260
N2XY2X2/5+1X1/5RE	2+E	2.5/1.5	1/1.73	12.7	56	237
N2XY2X10+1X4RE	2+E	10/4	1/3.5	15.3	205	492
N2XY2X10+1X6RE	2+E	10/6	1/3.5	15.3	223	506
N2XY3X2/5+1X1/5RE	3+E	2.5/1.5	1/1.73	13.6	77	293
N2XY3X4+1X2/5RE	3+E	4/2.5	1/2.2	14.7	124	355
N2XY3X6+1X4RE	3+E	6/4	1/2.7	15.9	190	452
N2XY3X10+1X6RE	3+E	10/6	1/3.5	17.8	308	625
N2XY3X16+1X10RM	3+E	16/10	7/1.67	20.2	506	948
N2XY3X25+1X10RM	3+E	25/10	7/2.09	25.5	744	1360
N2XY3X25+1X16RM	3+E	25/16	7/2.09	25.5	798	1396
N2XY3X35+1X16RM	3+E	35/16	7/2.48	28.4	1052	1784
N2XY3X35+1X25RM	3+E	35/25	7/2.48	28.4	1131	1840
N2XY3X50+1X25RM	3+E	50/25	19/1.76	32.8	1478	2425
N2XY3X50+1X35RM	3+E	50/35	19/1.76	31.4	1562	2487
N2XY3X70+1X25RM	3+E	70/25	19/2.13	38.3	2021	3325
N2XY3X70+1X35RM	3+E	70/35	19/2.13	38.3	2105	3388
N2XY3X70+1X50RM	3+E	70/50	19/2.13	38.3	2221	3519
N2XY3X95+1X35RM	3+E	95/35	19/2.48	43.0	2789	4460
N2XY3X95+1X50RM	3+E	95/50	19/2.48	43.0	2904	4539
N2XY3X95+1X70RM	3+E	95/70	19/2.48	43.0	3085	4593
N2XY3X120+1X35RM	3+E	120/35	37/2.01	47.6	3426	5484
N2XY3X120+1X50RM	3+E	120/50	37/2.01	47.6	3541	5463
N2XY3X120+1X70RM	3+E	120/70	37/2.01	47.6	3722	5680
N2XY3X120+1X95RM	3+E	120/95	37/2.01	47.6	3950	5758
N2XY3X150+1X35RM	3+E	150/35	37/2.21	52.5	4116	6608
N2XY3X150+1X50RM	3+E	150/50	37/2.21	52.5	4231	6720
N2XY3X150+1X70RM	3+E	150/70	37/2.21	52.5	4412	6838
N2XY3X185+1X35RM	3+E	185/35	37/2.48	57.3	5027	7953
N2XY3X185+1X95RM	3+E	185/95	37/2.48	57.3	5552	8460
N2XY3X185+1X50RM	3+E	185/50	37/2.48	57.3	5143	8180
N2XY3X185+1X70RM	3+E	185/70	37/2.48	57.3	5324	8300
N2XY3X185+1X120RM	3+E	185/120	37/2.48	57.3	5764	8602
N2XY3X240+1X50RM	3+E	240/50	37/2.84	64.5	6626	10326
N2XY3X240+1X120RM	3+E	240/120	37/2.84	64.5	7247	10773
N2XY3X240+1X150RM	3+E	240/150	37/2.84	64.5	7477	10937
N2XY4X2/5+1X1/5RE	4+E	2.5/1.5	1/1.73	14.5	98	323

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XY4X4+1X2/5RE	4+E	4/2.5	1/2.2	15.7	159	438
N2XY4X6+1X4RE	4+E	6/4	1/2.7	17.1	242	562
N2XY4X6+1X2/5RE	4+E	6/2.5	1/2.7	17.1	228	552
N2XY4X10+1X6RE	4+E	10/6	1/3.5	18.0	392	720
N2XY4X10+1X4RE	4+E	10/4	1/3.5	18.0	377	706
N2XY4X16+1X10RM	4+E	16/10	7/1.67	23.3	646	1118
N2XY4X16+1X6RM	4+E	16/6	7/1.67	23.3	612	1099
N2XY4X25+1X16RM	4+E	25/16	7/2.09	28.0	1018	1725
N2XY4X25+1X10RM	4+E	25/10	7/2.09	28.0	963	1688
N2XY4X35+1X16RM	4+E	35/16	7/2.48	31.2	1356	2219
N2XY4X50+1X25RM	4+E	50/25	19/1.76	35.0	1897	2971
N2XY4X50+1X16RM	4+E	50/16	19/1.76	35.0	1818	2919
N2XY4X70+1X25RM	4+E	70/25	19/2.13	42.2	2621	4224
N2XY4X70+1X35RM	4+E	70/35	19/2.13	42.2	2706	4284
N2XY4X70+1X50RM	4+E	70/50	19/2.13	42.2	2821	4363
N2XY4X95+1X35RM	4+E	95/35	19/2.48	47.6	3617	5610
N2XY4X95+1X50RM	4+E	95/50	19/2.48	47.6	3733	5690
N2XY4X95+1X70RM	4+E	95/70	19/2.48	47.6	3914	5807
N2XY4X120+1X70RM	4+E	120/70	37/2.01	52.7	4763	7111
N2XY4X120+1X35RM	4+E	120/35	37/2.01	52.7	4467	6915
N2XY4X150+1X70RM	4+E	150/70	37/2.21	58.1	5683	8554
N2XY4X150+1X50RM	4+E	150/50	37/2.21	58.1	5502	8436
N2XY4X185+1X95RM	4+E	185/95	37/2.48	64.9	7126	10639
N2XY4X185+1X50RM	4+E	185/50	37/2.48	64.9	6717	10363
N2XY4X185+1X120RM	4+E	185/120	37/2.48	64.9	7338	10782
N2XY4X240+1X185RM	4+E	240/185	37/2.84	72.7	9850	14185

Temperature limits.....-20 °C to +50 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....250 °C
Bending radius:
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Brown – Blue
• 3 cores: Green/Yellow – Brown – Blue
• 4 cores: Green/Yellow – Grey – Black – Brown
• 5 cores: Green/Yellow – Grey – Black – Brown – Blue

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

NYBY PVC, PVC, STA, PVC ARMORED CABLE

PVC insulated and PVC sheathed steel tapes armored cables for power networks, underground, outdoors, indoors and in cable ducts if greater mechanical protection is required.
Manufactured to: HD603 S1; IEC 60502-1-2

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYBY2X16RM	2	16	7/1.67	21	280	927
NYBY2X25RM	2	25	7/2.09	24	439	1268
NYBY2X35RM	2	35	7/2.48	26	608	1565
NYBY2X50RM	2	50	19/1.76	30	839	2032
NYBY2X70RM	2	70	19/2.13	35	1201	2683
NYBY2X95RM	2	95	19/2.48	40	1657	3793
NYBY2X120RM	2	120	37/2.01	44	2081	4531
NYBY2X150RM	2	150	37/2.21	48	2541	5416
NYBY2X185RM	2	185	37/2.48	52	3149	6567
NYBY2X240RM	2	240	37/2.84	59	4138	8197
NYBY3X16RM	3	16	7/1.67	22	420	1100
NYBY3X25RM	3	25	7/2.09	25	658	1531
NYBY3X35RM	3	35	7/2.48	28	912	1932
NYBY3X50RM	3	50	19/1.76	32	1258	2526
NYBY3X70RM	3	70	19/2.13	38	1801	3607
NYBY3X95RM	3	95	19/2.48	43	2485	4730
NYBY3X120RM	3	120	37/2.01	46	3122	5682
NYBY3X150RM	3	150	37/2.21	51	3812	6812
NYBY3X185RM	3	185	37/2.48	56	4723	8284
NYBY3X240RM	3	240	37/2.84	63	6207	10424
NYBY4X10RE	4	10	1/3.5	20	342	927
NYBY4X16RM	4	16	7/1.67	24	560	1316
NYBY4X25RM	4	25	7/2.09	28	878	1868
NYBY4X35RM	4	35	7/2.48	31	1216	2373
NYBY4X50RM	4	50	19/1.76	35	1678	3117
NYBY4X70RM	4	70	19/2.13	41	2402	4436
NYBY4X95RM	4	95	19/2.48	47	3313	5870
NYBY4X120RM	4	120	37/2.01	51	4163	7068
NYBY4X150RM	4	150	37/2.21	56	5083	8518

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYBY4X185RM	4	185	37/2.48	62	6298	10370
NYBY4X240RM	4	240	37/2.84	70	8276	13120
NYBY5X10RE	5	10	1/3.5	22	428	1070
NYBY5X16RM	5	16	7/1.67	26	700	1462
NYBY5X25RM	5	25	7/2.09	31	1097	2154
NYBY5X35RM	5	35	7/2.48	34	1520	2730
NYBY5X50RM	5	50	19/1.76	39	2097	3890
NYBY5X70RM	5	70	19/2.13	45	3002	5437
NYBY5X95RM	5	95	19/2.48	52	4142	7230
NYBY5X120RM	5	120	37/2.01	56	5203	8720
NYBY5X150RM	5	150	37/2.21	62	6353	10523
NYBY5X185RM	5	185	37/2.48	69	7872	12850
NYBY5X240RM	5	240	37/2.84	77	10345	16287
NYBY3X10+1X6RE	3+E	10/6	1/3.5	20	308	833
NYBY3X16+1X10RM	3+E	16/10	7/1.67	24	506	1283
NYBY3X25+1X10RM	3+E	25/10	7/2.09	28	744	1786
NYBY3X25+1X16RM	3+E	25/16	7/2.09	28	798	1828
NYBY3X35+1X16RM	3+E	35/16	7/2.48	31	1052	2261
NYBY3X35+1X25RM	3+E	35/25	7/2.48	31	1131	2323
NYBY3X50+1X25RM	3+E	50/25	19/1.76	35	1478	2983
NYBY3X50+1X35RM	3+E	50/35	19/1.76	35	1562	3051
NYBY3X70+1X25RM	3+E	70/25	19/2.13	41	2021	4198
NYBY3X70+1X35RM	3+E	70/35	19/2.13	41	2105	4266
NYBY3X70+1X50RM	3+E	70/50	19/2.13	41	2221	4358
NYBY3X95+1X35RM	3+E	95/35	19/2.48	47	2789	5537
NYBY3X95+1X50RM	3+E	95/50	19/2.48	47	2904	5629
NYBY3X95+1X70 RM	3+E	95/70	19/2.48	47	3085	5766
NYBY3X120+1X35RM	3+E	120/35	37/2.01	51	3426	6556
NYBY3X120+1X50RM	3+E	120/50	37/2.01	51	3541	6648
NYBY3X120+1X70RM	3+E	120/70	37/2.01	51	3722	6784
NYBY3X120+1X95RM	3+E	120/95	37/2.01	51	3950	6962
NYBY3X150+1X35RM	3+E	150/35	37/2.21	56	4116	7840
NYBY3X150+1X50RM	3+E	150/50	37/2.21	56	4231	7931
NYBY3X150+1X70RM	3+E	150/70	37/2.21	56	4412	8068
NYBY3X185+1X35RM	3+E	185/35	37/2.48	62	5027	9469
NYBY3X185+1X95RM	3+E	185/95	37/2.48	62	5552	9877
NYBY3X185+1X50RM	3+E	185/50	37/2.48	62	5143	9561
NYBY3X185+1X70RM	3+E	185/70	37/2.48	62	5324	9647
NYBY3X185+1X120RM	3+E	185/120	37/2.48	62	5764	10028
NYBY3X240+1X50RM	3+E	240/50	37/2.84	70	6626	11930
NYBY3X240+1X120RM	3+E	240/120	37/2.84	70	7247	12397
NYBY3X240+1X150RM	3+E	240/150	37/2.84	70	7477	12573

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYBY4X10+1X6RE	4+E	10/6	1/3.5	22	392	977
NYBY4X10+1X4RE	4+E	10/4	1/3.5	22	377	963
NYBY4X16+1X10RM	4+E	16/10	7/1.67	26	646	1419
NYBY4X16+1X6RM	4+E	16/6	7/1.67	26	612	1389
NYBY4X25+1X16RM	4+E	25/16	7/2.09	31	1018	2089
NYBY4X25+1X10RM	4+E	25/10	7/2.09	31	963	2046
NYBY4X35+1X16RM	4+E	35/16	7/2.48	34	1356	2614
NYBY4X50+1X25 RM	4+E	50/25	19/1.76	39	1897	3915
NYBY4X50+1X16RM	4+E	50/16	19/1.76	39	1818	3852
NYBY4X70+1X25RM	4+E	70/25	19/2.13	45	2621	5142
NYBY4X70+1X35RM	4+E	70/35	19/2.13	45	2706	5208
NYBY4X70+1X50RM	4+E	70/50	19/2.13	45	2821	5300
NYBY4X95+1X35RM	4+E	95/35	19/2.48	52	3617	6832
NYBY4X95+1X50RM	4+E	95/50	19/2.48	52	3733	6924
NYBY4X95+1X70RM	4+E	95/70	19/2.48	52	3914	7061
NYBY4X120+1X70RM	4+E	120/70	37/2.01	57	4763	8385
NYBY4X120+1X35RM	4+E	120/35	37/2.01	57	4467	8156
NYBY4X150+1X70RM	4+E	150/70	37/2.21	62	5683	10002
NYBY4X150+1X50RM	4+E	150/50	37/2.21	62	5502	9865
NYBY4X185+1X95RM	4+E	185/95	37/2.48	69	7126	12276
NYBY4X185+1X50RM	4+E	185/50	37/2.48	69	6717	11961
NYBY4X185+1X120RM	4+E	185/120	37/2.48	69	7338	12440
NYBY4X240+1X185RM	4+E	240/185	37/2.84	77	9850	15874
NYBY4X50SM	4	50	19/1.76	35	1644	2994
NYBY4X70SM	4	70	19/2.13	39	2424	3952
NYBY4X95SM	4	95	19/2.48	45	3274	5117
NYBY4X120SM	4	120	37/2.01	47	4140	6140
NYBY4X150SM	4	150	37/2.21	52	5023	7363
NYBY4X185SM	4	185	37/2.48	57	6223	8923
NYBY4X240SM	4	240	37/2.84	65	8178	11454

Temperature limits.....-30 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....12 x overall diameter
Colors available: Black.
Core Identification:

NYBY -J:
- 3 cores: Green/Yellow – Brown – Blue
- 4 cores: Green/Yellow – Grey – Black – Brown
- 5 cores: Green/Yellow – Grey – Black – Brown – Blue

NYBY-O:
- 2 cores: Brown – Blue
- 3 cores: Brown – Blue – Grey
- 4 cores: Blue – Brown – Black – Grey
- 5 cores: Blue – Brown – Black – Grey - Black

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

N2XBY XLPE, PVC, STA, PVC ARMORED CABLE

Stranded plain annealed copper conductor, XLPE insulated and PVC sheathed steel tapes armored cables for power networks, underground, outdoors, indoors and in cable ducts if greater mechanical protection is required. Manufactured to: HD603 S1; IEC 60502-1-2

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XBY2X16RM	2	16	7/1.67	20.0	280	839
N2XBY2X25RM	2	25	7/2.09	23.3	439	1160
N2XBY2X35RM	2	35	7/2.48	25.6	608	1446
N2XBY2X50RM	2	50	19/1.76	28.7	839	1852
N2XBY2X70RM	2	70	19/2.13	33.8	1201	2555
N2XBY2X95RM	2	95	19/2.48	38.7	1657	3551
N2XBY2X120RM	2	120	37/2.01	42.4	2081	4285
N2XBY2X150RM	2	150	37/2.21	46.5	2541	5134
N2XBY2X185RM	2	185	37/2.48	51.0	3149	6186
N2XBY2X240RM	2	240	37/2.84	57.1	4138	7818
N2XBY3X16RM	3	16	7/1.67	21.0	420	997
N2XBY3X25RM	3	25	7/2.09	24.6	658	1403
N2XBY3X35RM	3	35	7/2.48	27.0	912	1776
N2XBY3X50RM	3	50	19/1.76	30.3	1258	2295
N2XBY3X70RM	3	70	19/2.13	36.8	1801	3443
N2XBY3X95RM	3	95	19/2.48	41.2	2485	4442
N2XBY3X120RM	3	120	37/2.01	43.1	3122	5390
N2XBY3X150RM	3	150	37/2.21	50.0	3812	6476
N2XBY3X185RM	3	185	37/2.48	54.4	4723	7834
N2XBY3X240RM	3	240	37/2.84	60.8	6207	9956
N2XBY4X10RE	4	10	1/3.5	19.0	342	836
N2XBY4X16RM	4	16	7/1.67	22.7	560	1202
N2XBY4X25RM	4	25	7/2.09	26.7	878	1713
N2XBY4X35RM	4	35	7/2.48	29.6	1216	2204
N2XBY4X50RM	4	50	19/1.76	34.2	1678	2936
N2XBY4X70RM	4	70	19/2.13	40.5	2402	4293
N2XBY4X95RM	4	95	19/2.48	45.1	3313	5540
N2XBY4X120RM	4	120	37/2.01	49.8	4163	6775
N2XBY4X150RM	4	150	37/2.21	54.5	5083	8123

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XBY4X185RM	4	185	37/2.48	60.3	6298	9920
N2XBY4X240RM	4	240	37/2.84	67.9	8276	12708
N2XBY5X10RE	5	10	1/3.5	20.4	428	981
N2XBY5X16RM	5	16	7/1.67	24.5	700	1426
N2XBY5X25RM	5	25	7/2.09	29.2	1097	2067
N2XBY5X35RM	5	35	7/2.48	32.4	1520	2671
N2XBY5X50RM	5	50	19/1.76	38.2	2097	3809
N2XBY5X70RM	5	70	19/2.13	44.4	3002	5194
N2XBY5X95RM	5	95	19/2.48	50.0	4142	6757
N2XBY5X120RM	5	120	37/2.01	54.7	5203	8246
N2XBY5X150RM	5	150	37/2.21	60.3	6353	9972
N2XBY5X185RM	5	185	37/2.48	67.0	7872	12222
N2XBY5X240RM	5	240	37/2.84	74.9	10345	15582
N2XBY3X10+1X6RE	3+E	10/6	1/3.5	18.9	308	809
N2XBY3X16+1X10RM	3+E	16/10	7/1.67	22.7	506	1173
N2XBY3X25+1X10RM	3+E	25/10	7/2.09	26.7	744	1626
N2XBY3X25+1X16RM	3+E	25/16	7/2.09	26.7	798	1664
N2XBY3X35+1X16RM	3+E	35/16	7/2.48	29.6	1052	2081
N2XBY3X35+1X25RM	3+E	35/25	7/2.48	29.6	1131	2140
N2XBY3X50+1X25RM	3+E	50/25	19/1.76	34.0	1478	2768
N2XBY3X50+1X35RM	3+E	50/35	19/1.76	34.0	1562	2832
N2XBY3X70+1X25RM	3+E	70/25	19/2.13	40.3	2021	3988
N2XBY3X70+1X35RM	3+E	70/35	19/2.13	40.3	2105	4053
N2XBY3X70+1X50RM	3+E	70/50	19/2.13	40.3	2221	4140
N2XBY3X95+1X35RM	3+E	95/35	19/2.48	45	2789	5125
N2XBY3X95+1X50RM	3+E	95/50	19/2.48	45	2904	5212
N2XBY3X95+1X70RM	3+E	95/70	19/2.48	45	3085	5343
N2XBY3X120+1X35RM	3+E	120/35	37/2.01	49.6	3426	6199
N2XBY3X120+1X50RM	3+E	120/50	37/2.01	49.6	3541	6286
N2XBY3X120+1X70RM	3+E	120/70	37/2.01	49.6	3722	6417
N2XBY3X120+1X95RM	3+E	120/95	37/2.01	49.6	3950	6590
N2XBY3X150+1X35RM	3+E	150/35	37/2.21	54.5	4116	7379
N2XBY3X150+1X50RM	3+E	150/50	37/2.21	54.5	4231	7493
N2XBY3X150+1X70RM	3+E	150/70	37/2.21	54.5	4412	7623
N2XBY3X185+1X35RM	3+E	185/35	37/2.48	60.1	5027	8946
N2XBY3X185+1X95RM	3+E	185/95	37/2.48	60.1	5552	9336
N2XBY3X185+1X50RM	3+E	185/50	37/2.48	60.1	5143	9031
N2XBY3X185+1X70RM	3+E	185/70	37/2.48	60.1	5324	9108
N2XBY3X185+1X120RM	3+E	185/120	37/2.48	60.1	5764	9493
N2XBY3X240+1X50RM	3+E	240/50	37/2.84	67.7	6626	11445
N2XBY3X240+1X120RM	3+E	240/120	37/2.84	67.7	7247	11906
N2XBY3X240+1X150RM	4+E	240/150	37/2.84	67.7	7477	12075

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
N2XBY4X10+1X6RE	4+E	10/6	1/3.5	20.3	392	954
N2XBY4X10+1X4RE	4+E	10/4	1/3.5	20.3	377	941
N2XBY4X16+1X10RM	4+E	16/10	7/1.67	24.5	646	1398
N2XBY4X16+1X6RM	4+E	16/6	7/1.67	24.5	612	1371
N2XBY4X25+1X16RM	4+E	25/16	7/2.09	29.2	1018	2019
N2XBY4X25+1X10RM	4+E	25/10	7/2.09	29.2	963	1982
N2XBY4X35+1X16RM	4+E	35/16	7/2.48	32.4	1356	2548
N2XBY4X50+1X25RM	4+E	50/25	19/1.76	38	1897	3639
N2XBY4X50+1X16RM	4+E	50/16	19/1.76	38	1818	3581
N2XBY4X70+1X25RM	4+E	70/25	19/2.13	44.2	2621	4887
N2XBY4X70+1X35RM	4+E	70/35	19/2.13	44.2	2706	4951
N2XBY4X70+1X50RM	4+E	70/50	19/2.13	44.2	2821	5038
N2XBY4X95+1X35RM	4+E	95/35	19/2.48	49.5	3617	6340
N2XBY4X95+1X50RM	4+E	95/50	19/2.48	49.5	3733	6427
N2XBY4X95+1X70RM	4+E	95/70	19/2.48	49.5	3914	6557
N2XBY4X120+1X70RM	4+E	120/70	37/2.01	54.7	4763	7916
N2XBY4X120+1X35RM	4+E	120/35	37/2.01	54.7	4467	7699
N2XBY4X150+1X70	4+E	150/70	37/2.21	60.1	5683	9439
N2XBY4X150+1X50	4+E	150/50	37/2.21	60.1	5502	9309
N2XBY4X185+1X95	4+E	185/95	37/2.48	64.9	7126	11672
N2XBY4X185+1X50	4+E	185/50	37/2.48	66.9	6717	11369
N2XBY4X185+1X120RM	4+E	185/120	37/2.48	66.9	7338	11829
N2XBY4X240+1X185RM	4+E	240/185	37/2.84	74.7	9850	15170

Temperature limits.....-20 °C to +50 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....250 °C
Bending radius
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Brown – Blue
• 3 cores: Green/ Yellow – Brown – Blue
• 4 cores: Green/Yellow – Grey – Black – Brown
• 5 cores: Green/ Yellow – Grey – Black – Brown – Blue

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

YVV-K PVC FLEXIBLE CABLE

Plain annealed flexible copper conductors Class 5 to IEC 60228, PVC insulated, PVC outer sheath. 600/1000 volts. Flame propagation to IEC 60332-1-2.

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YVVK1X25	1	25	182/0.4	13.5	207	346.9
YVVK3X1/5	3	1.5	30/0.238	12.4	36.58	212.0
YVVK3X2/5	3	2.5	50/0.238	13.3	60.96	258.1
YVVK3X4	3	4	50/0.3	15.5	96.86	359.4
YVVK3X6	3	6	74/0.3	17.2	143.35	457.2
YVVK4X6	4	6	74/0.3	18.6	191.14	551.6
YVVK4X10	4	10	73/0.4	21.2	335.21	782.9
YVVK5X4	5	4	50/0.3	18.0	161.44	509.4
YVVK5X6	5	6	74/0.3	20.1	238.92	658.3
YVVK5X10	5	10	73/0.4	23.1	419.01	943.0
YVVK5X16	5	16	119/0.4	27.2	683.05	1361.3
YVVK5X25	5	25	182/0.4	33.1	1044.67	2036.9
YVVK5X35	5	35	252/0.4	36.0	1446.46	2586.3
YVVK5X50	5	50	371/0.4	43.3	2129.51	3745.8
YVVK3X10+6	3+E	10/6	73/0.4	20.1	299.2	738.0
YVVK3X16+10	3+E	16/10	119/0.4	22.9	493.6	1039.0
YVVK3X25+16	3+E	25/16	182/0.4	29.0	811.7	1625.4
YVVK3X35+16	3+E	35/16	252/0.4	32.7	1004.5	2095.4
YVVK3X50+25	3+E	50/25	371/0.4	37.7	1486.6	2878.8
YVVK3X70+35	3+E	70/35	342/0.5	41.0	2129.6	3727.3
YVVK3X95+70	3+E	95/70	456/0.5	48.1	3067.3	5130.0
YVVK3X120+70	3+E	120/70	589/0.5	52.6	3783.0	6235.0
YVVK3X150+70	3+E	150/70	740/0.5	60.0	4595.5	7737.0
YVVK4X25+16	4+E	25/16	182/0.4	32.3	972.4	20438.0
YVVK4X35+25	4+E	35/25	252/0.4	36.0	1366.1	2622.9
YVVK4X50+25	4+E	50/25	371/0.4	41.6	1912.5	3569.1
YVVK4X70+35	4+E	70/35	342/0.5	45.7	2743.1	4698.1
YVVK4X95+70	4+E	95/70	456/0.5	53.7	3885.2	6440.8

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Temperature limits.....-20 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature
• for cross-section up to 300 mm².....+160 °C
• for cross-section over 300 mm².....+140 °C
Bending radius
• single-core cables.....12 x overall diameter
• multi-core cables.....10 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Green/Yellow – Black;
• 3 cores : Green/ Yellow – Brown – Blue;
• 4 cores : Green/ Yellow – Grey – Black – Brown;
• 5 cores: Green/ Yellow – Grey – Black – Brown – Blue

NYIFY PVC FLAT CABLE

Plain annealed stranded circular copper conductor, PVC insulated, PVC outer sheath. 300/500 volts. Manufactured to DIN VDE 0250-201.

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm)approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYIFY2X1/5	2	1.5	1/1.36	4.4x12.0	25.59	63.3
NYIFY2X2/5	2	2.5	1/1.73	5.2x13.5	41.40	90.3
NYIFY2X4	2	4	1/2.2	6.0x15.5	66.95	125.7
NYIFY3X1/5	3	1.5	1/1.36	4.4x19.0	38.38	94.9

Temperature limits.....-30 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....10 x overall diameter
Colors available: White.
Core Identification:
• 2 cores: Brown – Blue;
• 3 cores: Brown – Black – Gray

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

NYM SURFACE WIRING CABLES PVC

Solid plain copper conductors, PVC insulated, PVC inner filler or non-vulcanized rubber, PVC outer sheath. 300/500 volts. For permanent installation, both industrial and house installation, in dry and wet conditions, for laying over or under concrete without special mechanical protection. Manufactured to DIN VDE 0250-204.

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYM1X1/5RE	1	1.5	1/1.36	5.4	13	38
NYM1X2/5RE	1	2.5	1/1.73	5.9	21	51
NYM1X4RE	1	4	1/2.2	6.6	34	70
NYM1X6RE	1	6	1/2.7	7.1	51	91
NYM1X10RE	1	10	1/3.5	8.3	84	141
NYM1X16RM	1	16	7/1.67	9.8	138	208
NYM2X1/5RE	2	1.5	1/1.36	8.1	26	103
NYM2X2/5RE	2	2.5	1/1.73	9.3	43	141
NYM2X4RE	2	4	1/2.2	10.6	69	197
NYM2X6RE	2	6	1/2.7	11.6	104	254
NYM2X10RE	2	10	1/3.5	15.0	171	426
NYM2X16RM	2	16	7/1.67	18.0	280	636
NYM2X25RM	2	25	7/2.09	21.7	439	956
NYM2X35RM	2	35	7/2.48	24.8	608	1275
NYM3X1/5RE	3	1.5	1/1.36	8.5	39	120
NYM3X2/5RE	3	2.5	1/1.73	9.7	64	167
NYM3X4RE	3	4	1/2.2	11.2	103	237
NYM3X6RE	3	6	1/2.7	12.7	155	323
NYM3X10RE	3	10	1/3.5	15.8	257	523
NYM3X16RM	3	16	7/1.67	19.5	420	807
NYM3X25RM	3	25	7/2.09	23.5	658	1207
NYM3X35RM	3	35	7/2.48	26.3	912	1594
NYM4X1/5RE	4	1.5	1/1.36	9.2	53	144
NYM4X2/5RE	4	2.5	1/1.73	10.6	85	204
NYM4X4RE	4	4	1/2.2	12.6	138	304
NYM4X6RE	4	6	1/2.7	13.8	207	400
NYM4X10RE	4	10	1/3.5	17.3	342	650
NYM4X16RM	4	16	7/1.67	21.3	560	1007
NYM4X25RM	4	25	7/2.09	26.1	878	1543

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYM4X35RM	4	35	7/2.48	28.9	1216	2004
NYM5X1/5RE	5	1.5	1/1.36	9.9	66	180
NYM5X2/5RE	5	2.5	1/1.73	11.5	106	251
NYM5X4RE	5	4	1/2.2	13.7	172	374
NYM5X6RE	5	6	1/2.7	15.0	259	496
NYM5X10RE	5	10	1/3.48	19.6	428	799
NYM5X16RM	5	16	7/1.67	24.5	700	1275
NYM5X25RM	5	25	7/2.09	29.0	1097	1920
NYM5X35RM	5	35	7/2.48	32.0	1520	2486
NYM7X1/5RE	7	1.5	1/1.36	11.0	91	216
NYM7X2/5RE	7	2.5	1/1.73	13.5	147	336

Temperature limits.....-30 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....6 x overall diameter
Colors available: Black.
Colors available: Grey
Core Identification:

NYM -J:
- 2 cores: Green/Yellow – Black
- 3 cores: Green/Yellow – Brown – Blue
- 4 cores: Green/ Yellow – Brown – Black – Grey
- 5 cores: Green/Yellow – Blue – Brown – Black – Grey

NYM –O:
- 2 cores: Blue – Brown
- 3 cores: Brown – Black – Grey
- 4 cores: Blue – Brown – Black – Grey
- 5 cores: Blue – Brown – Black – Grey – Black

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

AXMK

Power cable 0,6/1 kV with Al conductors, XLPE insulated and PE sheathed.
In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

Nominal Cross-section, mm²	Cconductor Construction	Max. Resistance at 20°C Ω/km	Nom. Thickness of Insulation	Current Capacity in Air A	Current Capacity in Earth A	Outer Diam. (approx.) mm	Metal Weight, Kg/km	Cable Weight (approx.) Kg/km
1x16	RE	1.910	0.70	–	–	9.5	46	122
1x25	RE	1.200	0.90	106	114	11.9	73	175
1x35	RM	0.868	0.90	130	136	13.0	102	206
1x50	RM	0.641	1.00	161	162	14.9	145	267
1x70	RM	0.443	1.10	204	199	17.0	203	358
1x95	RM	0.320	1.10	252	238	18.9	276	451
1x120	RM	0.253	1.20	295	272	20.7	348	546
1x150	RM	0.206	1.40	339	305	22.7	435	655
1x185	RM	0.164	1.60	395	347	25.1	537	800
1x240	RM	0.125	1.70	472	404	27.6	696	987
1x300	RM	0.100	1.80	547	457	31.9	870	1324
4x16	RE	1.910	0.70	78	–	18.3	185	596
4x25	SM	1.200	0.90	100	–	21.1	290	509
4x35	SM	0.868	0.90	111	134	23.4	406	653
4x50	SM	0.641	1.00	136	165	26.4	580	832
4x70	SM	0.443	1.10	176	214	30.4	812	1118
4x95	SM	0.320	1.10	215	263	34.1	1102	1465
4x120	SM	0.253	1.20	251	308	38.1	1392	1837
4x150	SM	0.206	1.40	290	357	42.1	1740	2250
4x185	SM	0.164	1.60	334	411	46.6	2146	2807
4x240	SM	0.125	1.70	397	490	52.2	2784	3603
4x300	SM	0.100	1.80	460	569	55.9	3480	4223

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Nominal Cross-section, mm²	Cconductor Construction	Max. Resistance at 20°C Ω/km	Nom. Thickness of Insulation	Current Capacity in Air A	Current Capacity in Earth A	Outer Diam. (approx.) mm	Metal Weight, Kg/km	Cable Weight (approx.) Kg/km
5x10	RE	3.080	0.70	–	–	17.8	145	422
5x16	RE	1.910	0.70	78	–	20.0	232	544
5x25	SM	1.200	0.90	102	112	22.9	363	606
5x35	SM	0.868	0.90	111	135	25.7	507.8	807
5x50	SM	0.641	1.00	136	165	30.1	725	1032
5x70	SM	0.443	1.10	176	214	35.1	1015	1404
5x95	SM	0.320	1.10	215	263	38.1	1380	1800
5x120	SM	0.253	1.20	273	268	40.3	1740	2320
5x150	SM	0.206	1.40	290	357	47.4	2175	2900
5x185	SM	0.164	1.60	334	411	52.7	2682.5	3353
5x240	SM	0.125	1.70	397	490	59.4	3480	4350

CPR class.....Fca
Test voltage.....4 Kv
Rated voltage.....0,6/1 kV
Bending radius (min).....multicore – 10D
Min. laying temperature.....-15°C
Max. conductor temperature.....90°C
Max. short-circuit temperature.....250°C
Enviroment temperature.....-35°C do +35°C
Insulation Color:
• 3-core (a): Green/Yellow Brown Blue
• 3-core (b): Black Brown Grey
• 4-core (a): Green/Yellow Brown Black Grey
• 4-core (b): Blue Brown Black Grey
• 5-core: Green/Yellow Blue Brown Black Grey
Outer Sheath Colour: Black

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

LSZH FIXED WIRING & MAINS CABLES

H07Z-R (6491B) LSZH

Stranded plain annealed circular copper conductor, low smoke and zero halogen (LSZH) outer sheath. 450/750 volt grade to EN 50525-3-41, BS 7211. Acid gas emission to BS EN 50267 (IEC 60754), smoke emission to BS 50268 (IEC 61034), flame propagation to BS EN 50265-2-1, IEC 60332-1-2. Low-smoke and zero halogen (LSZH).

ECG Code	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07ZR1/5	1.5	7/0.5	2.9	12.9	18.9
H07ZR2/5	2.5	13/0.5	3.6	20.9	29.3
H07ZR4	4	20/0.5	4.1	33.8	43.8
H07ZR6	6	30/0.5	4.8	50.9	62.5
H07ZR10	10	7/1.34	6.1	84.1	103
H07ZR16	16	7/1.67	7.01	138	165
H07ZR25	25	7/2.09	8.67	216	257
H07ZR35	35	7/2.46	9.78	299	347
H07ZR50	50	19/1.78	11.8	412	479
H07ZR70	70	19/2.12	13.4	591	669
H07ZR95	95	19/2.49	15.65	814	920
H07ZR120	120	37/2.03	17.2	1030	1130
H07ZR150	150	37/2.21	19.07	1249	1395
H07ZR185	185	37/2.46	21.22	1532	1712
H07ZR240	240	37/2.82	24.14	2034	2260
H07ZR300	300	37/3.2	27.2	2593	2872
H07ZR400	400	61/2.87	31.0	3438	3785
H07ZR500	500	61/3.2	34.4	4275	4689
H07ZR625	625	91/2.91	37.6	5273	5730
H07ZR800	800	91/3.3	40.8	6377	6875
H07ZR1000	1000	127/3.15	46.8	8571	9187

Temperature limits.....-5 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius:
• up to 16 mm².....4 x overall diameter
• 25 to 50 mm².....5 x overall diameter
• above 70 mm².....6 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

N2XH XLPE INSULATED LSZH OUTER SHEATHED CABLE

Plain annealed stranded compacted circular copper conductor, single and multiply core, XLPE insulated, low smoke and zero halogen (LSZH) outer sheath. 600/1000 volts grade. Acid gas emission to BS EN 50267 (IEC 60754-1), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to IEC 60332-1, EN 50 266-2, IEC 60332-3, BS EN 50265. Manufactured to HD604 S1; IEC 60502-1-2.

N2XH Construction	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
1x16 RM	1	16	7/1.67	8,8	138	200
1x25 RM	1	25	7/2.09	10,5	216	297
1x35 RM	1	35	7/2.48	11,6	299	391
1x50 RM	1	50	19/1.76	13,1	408	518
1x70 RM	1	70	19/2.13	15,4	590	732
1x95 RM	1	95	19/2.48	17,3	814	976
1x120 RM	1	120	37/2.01	19,0	1030	1215
1x150 RM	1	150	37/2.21	21,1	1249	1477
1x185 RM	1	185	37/2.48	23,2	1548	1814
1x240 RM	1	240	37/2.84	26,1	2034	2356
1x300 RM	1	300	37/3.2	29,0	2620	2988
1x400 RM	1	400	61/2.85	33,0	3474	3932
1x500 RM	1	500	61/3.2	36,4	4319	4848
2x1.5 RE	2	1.5	1/1.36	9,5	26	139
2x2.5 RE	2	2.5	1/1.73	10,3	43	171
2x4 RE	2	4	1/2.2	11,2	69	218
2x6 RE	2	6	1/2.7	12,4	104	284
2x10 RE	2	10	1/3.5	13,9	171	392
2x16 RM	2	16	7/1.67	17,4	280	614
2x25 RM	2	25	7/2.09	20,9	439	911
2x35 RM	2	35	7/2.48	23,4	608	1183
2x50 RM	2	50	19/1.76	26,7	839	1575
2x70 RM	2	70	19/2.13	31,8	1201	2242
2x95 RM	2	95	19/2.48	35,7	1657	2937
2x120 RM	2	120	37/2.01	39,4	2081	3621
2x150 RM	2	150	37/2.21	43,1	2541	4369
2x185 RM	2	185	37/2.48	47,6	3149	5360

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

N2XH Construction	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
2x240 RM	2	240	37/2.84	53,5	4138	6887
2x300 RM	2	300	37/3.2	59,4	5328	8669
2x400 RM	2	400	61/2.85	67,9	7066	11398
3x1.5 RE	3	1.5	1/1.36	9,9	39	157
3x2.5 RE	3	2.5	1/1.73	10,7	64	198
3x4 RE	3	4	1/2.2	11,8	103	258
3x6 RE	3	6	1/2.7	13,0	155	342
3x10 RE	3	10	1/3.5	15,1	257	499
3x16 RM	3	16	7/1.67	18,6	420	770
3x25 RM	3	25	7/2.09	22,2	658	1136
3x35 RM	3	35	7/2.48	24,8	912	1489
3x50 RM	3	50	19/1.76	28,6	1258	2005
3x70 RM	3	70	19/2.13	34,0	1801	2855
3x95 RM	3	95	19/2.48	38,0	2485	3747
3x120 RM	3	120	37/2.01	41,9	3122	4633
3x150 RM	3	150	37/2.21	46,2	3812	5627
3x185 RM	3	185	37/2.48	51,0	4723	6911
3x240 RM	3	240	37/2.84	57,2	6207	8910
3x300 RM	3	300	37/3.2	64,0	7992	11325
3x400 RM	3	400	61/2.85	72,7	10599	14811
4x1.5 RE	4	1.5	1/1.36	10,7	53	185
4x2.5 RE	4	2.5	1/1.73	11,6	85	236
4x4 RE	4	4	1/2.2	12,9	138	320
4x6 RE	4	6	1/2.7	14,1	207	417
4x10 RE	4	10	1/3.5	16,4	342	616
4x16 RM	4	16	7/1.67	20,3	560	956
4x25 RM	4	25	7/2.09	24,5	878	1435
4x35 RM	4	35	7/2.48	27,6	1216	1904
4x50 RM	4	50	19/1.76	32,0	1678	2580
4x70 RM	4	70	19/2.13	37,3	2402	3601
4x95 RM	4	95	19/2.48	42,0	3313	4773
4x120 RM	4	120	37/2.01	46,4	4163	5910
4x150 RM	4	150	37/2.21	51,1	5083	7183
4x185 RM	4	185	37/2.48	56,7	6298	8864
4x240 RM	4	240	37/2.84	63,9	8276	11474
4x300 RM	4	300	37/3.2	71,2	10656	14543
5x1.5 RE	5	1.5	1/1.36	11,5	66	216
5x2.5 RE	5	2.5	1/1.73	12,7	106	285
5x4 RE	5	4	1/2.2	13,9	172	380
5x6 RE	5	6	1/2.7	15,7	259	518
5x10 RE	5	10	1/3.5	17,9	428	753

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

N2XH Construction	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
5x16 RM	5	16	7/1.67	22,1	700	1161
5x25 RM	5	25	7/2.09	27,2	1097	1781
5x35 RM	5	35	7/2.48	30,4	1520	2344
5x50 RM	5	50	19/1.76	35,2	2097	3174
5x70 RM	5	70	19/2.13	41,2	3002	4440
5x95 RM	5	95	19/2.48	46,4	4142	5894
5x120 RM	5	120	37/2.01	51,3	5203	7304
5x150 RM	5	150	37/2.21	56,7	6353	8915
5x185 RM	5	185	37/2.48	63,1	7872	11037
5x240 RM	5	240	37/2.84	70,9	10345	14239
4x50 SM	4	50	19/1.76	28,7	1719	2223
4x70 SM	4	70	19/2.13	30,1	2395	2986
4x95 SM	4	95	19/2.48	36,3	3274	3999
4x120 SM	4	120	37/2.01	40,3	4140	4990
4x150 SM	4	150	37/2.21	44,5	5022	6041
4x185 SM	4	185	37/2.48	49,7	6223	7440
4x240 SM	4	240	37/2.84	56,3	8178	9627

Temperature limits.....-40 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius:
• single-core cable.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Brown – Blue
• 3 cores: Green/Yellow – Brown – Blue
• 4 cores: Green/Yellow – Grey – Black – Brown
• 5 cores: Green/Yellow – Grey – Black – Brown – Blue

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07Z1-R

Thermosetting insulated, non-sheathed, single core cables with low emission of smoke. Classification of reaction to fire B2ca-s1,d0,a1 according to EN 13501-6:2018
EN 50525-3-31

H07Z1-R	External diameter			Insulation thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Min. insulation resistance at 70 °C, MΩ/km	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
Construction	min	nom	max					
1x1.5	2.7	2,9	3.3	0,7	12,1	0,010	13	20,8
1x2.5	3.3	3,8	4.0	0,8	7,41	0,0099	21	33,4
1x4	3.8	4,2	4.6	0,8	4,61	0,0082	33	48,8
1x6	4.3	4,6	5.2	0,8	3,08	0,0070	51	68,4
1x10	5.6	6,0	6.7	1,0	1,83	0,0067	84	114,3
1x16	6.4	7,0	7.8	1,0	1,15	0,0056	138	168,1
1x25	8.1	8,7	9.7	1,2	0,727	0,0053	216	260,9
1x35	9.0	9,8	10.9	1,2	0,524	0,0046	299	350,3
1x50	10.6	11,5	12.8	1,4	0,387	0,0046	412	482,8
1x70	12.1	13,4	14.6	1,4	0,268	0,0040	591	673,3
1x95	14.1	15,7	17.1	1,6	0,193	0,0039	814	925,1
1x120	15.6	17,2	18.8	1,6	0,153	0,0035	1030	1144,8
1x150	17.3	19,1	20.9	1,8	0,124	0,0035	1249	1413,8
1x185	19.3	21,2	23.3	2,0	0,0991	0,0035	1532	1735,5
1x240	22.0	24,1	26.6	2,2	0,0754	0,0034	2034	2289,5
1x300	24.5	27,2	29.6	2,4	0,0601	0,0033	2593	2907,5
1x400	27.5	31,0	33.2	2,6	0,0470	0,0031	3438	3829,2
1x500	30.5	34,4	36.9	2,8	0,0366	0,0030	4275	4742,4
1x630	34.0	37,8	41.1	2,8	0,0283	0,0027	5273	6030,1

Temperature limits.....-20 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....160 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07Z1-K

Thermosetting insulated, non-sheathed, single core cables with low emission of smoke. Classification of reaction to fire B2ca-s1,d0,a1 according to EN 13501-6:2018
EN 50525-3-31

H07Z1-K	External diameter			Insulation thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Min. insulation resistance at 70 °C, MΩ/km	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
Construction	min	nom	max					
1x1.5	2,8	3,0	3,4	0,7	13,3	0,010	12	21
1x2.5	3,4	3,6	4,1	0,8	7,98	0,0095	20	32
1x4	3,9	4,2	4,8	0,8	4,95	0,0078	32	46
1x6	4,4	5,3	5,3	0,8	3,3	0,0068	47	59
1x10	5,7	6,0	6,8	1,0	1,91	0,0065	83	111
1x16	6,7	7,2	8,1	1,0	1,21	0,0053	133	167
1x25	8,4	9,6	10,2	1,2	0,780	0,0050	207	264
1x35	9,7	10,9	11,7	1,2	0,554	0,0043	286	351
1x50	11,5	13,3	13,9	1,4	0,386	0,0042	414	507
1x70	13,2	15,3	16,0	1,4	0,272	0,0036	597	706
1x95	15,1	17,3	18,2	1,6	0,206	0,0036	789	929
1x120	16,7	19,7	20,2	1,6	0,161	0,0032	1012	1174
1x150	18,6	21,6	22,5	1,8	0,129	0,0032	1240	1439
1x185	20,6	23,3	24,9	2,0	0,106	0,0032	1500	1738
1x240	23,5	27,2	28,4	2,2	0,0801	0,0031	2002	2309

Temperature limits.....-20 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....160 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H05Z-K LSZH

Flexible plain annealed copper conductor, Class 5 according to IEC 60228 low-smoke and zero halogen (LSZH) outer sheath. 300/500 volts to BS7211/BS EN 50525-3-41.
Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H05ZK0/5	0.5	15/0.198	2.1	4.2	8.7
H05ZK0/75	0.75	23/0.198	2.4	6.4	11.7
H05ZK1	1	30/0.198	2.5	8.9	14.6

Temperature limits.....-5 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07Z-K LSZH

Flexible plain annealed copper conductor, Class 5 according to IEC 60228 low-smoke and zero halogen (LSZH) outer sheath. 450/750 volts to BS7211/BS EN 50525-3-41. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07ZK1/5	1.5	30/0.238	3	12.0	21
H07ZK2/5	2.5	50/0.238	3.6	19.6	32
H07ZK4	4	56/0.3	4.2	31.8	47
H07ZK6	6	74/0.3	5	47.1	65
H07ZK10	10	73/0.4	6.5	82.7	109
H07ZK16	16	119/0.4	8	133	165
H07ZK25	25	182/0.4	9.9	207	261
H07ZK35	35	252/0.4	10.9	286	348
H07ZK50	50	371/0.4	13.3	414	502
H07ZK70	70	342/0.5	15.3	597	700
H07ZK95	95	456/0.5	17.3	789	921
H07ZK120	120	589/0.5	19.7	1012	1165
H07ZK150	150	740/0.5	21.6	1240	1428
H07ZK185	185	834/0.5	23.3	1500	1726
H07ZK240	240	1147/0.5	27.2	2002	2293

Temperature limits.....-5 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07Z-U LSZH

Solid annealed copper conductor, low-smoke and zero halogen (LSZH) outer sheath. 450/750 volts BS EN 50525-3-41. Flame propagation to BS EN 50265, IEC 60332-1-2.

ECG Code	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07ZU1/5	1.5	1/1.37	2.8	12.9	20.4
H07ZU2/5	2.5	1/1.73	3.4	20.9	31.5
H07ZU4	4	1/2.2	3.8	33.8	46.5
H07ZU6	6	1/2.7	4.3	50.9	66
H07ZU10	10	1/3.5	5.5	84.1	109.4

Temperature limits.....-5 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius.....10 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

FIRE RESISTANT CABLES

(N)HXH FE180/E30 FIREPROOF MAINS CABLES LSZH

Plain annealed stranded copper conductors, mica fire resistant tape, XLPE insulated , low smoke, zero halogen (LSZH) filling, low smoke, zero halogen (LSZH) outer sheath. Insulation integrity FE 180: DIN VDE 0472-814 (800 °C, 180 min.), IEC 60331-21. System integrity E30: DIN 4102-12 (30 min.). Flame propagation: DIN EN 50266-2-2, VDE 0482-266-2-2, IEC 60332-3-22 Smoke density: DIN EN 61034-2, VDE 0482-1034-2, IEC 61034-2. Gases evolved during combustion: DIN EN 50267-2-2, VDE 0482-267-2-2, IEC 60754-2: pH≥ 4,3; conductivity ≤ 10 µSmm-1

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH30-1X10	1	10	1/3.5	11	84	230
NHXH30-1X16	1	16	7/1.67	13	138	313
NHXH30-1X25	1	25	7/2.09	14	216	427
NHXH30-1X35	1	35	7/2.48	16	299	535
NHXH30-1X50	1	50	19/1.76	17	408	682
NHXH30-1X70	1	70	19/2.13	19	590	919
NHXH30-1X95	1	95	19/2.48	21	814	1 174
NHXH30-1X120	1	120	37/2.01	23	1 030	1 448
NHXH30-1X150	1	150	37/2.21	25	1 249	1 734
NHXH30-1X185	1	185	37/2.48	28	1 548	2 156
NHXH30-1X240	1	240	37/2.84	31	2 034	2 743
NHXH30-1X300	1	300	61/2.48	35	2 620	3 492
NHXH30-2X1/5	2	1.5	1/1.36	14	26	273
NHXH30-2X2/5	2	2.5	1/1.73	15	43	314
NHXH30-2X4	2	4	1/2.2	15	69	373
NHXH30-2X6	2	6	1/2.7	16	104	444
NHXH30-2X10	2	10	1/3.5	18	171	570
NHXH30-2X16	2	16	7/1.67	21	280	807
NHXH30-2X25	2	25	7/2.09	24	439	1 125
NHXH30-2X35	2	35	7/2.48	27	608	1 455
NHXH30-2X50	2	50	19/1.76	30	839	1 867
NHXH30-2X70	2	70	19/2.13	35	1 201	2 547
NHXH30-2X95	2	95	19/2.48	39	1 657	3 241
NHXH30-2X120	2	120	37/2.01	43	2 081	4 003
NHXH30-2X150	2	150	37/2.21	47	2 541	4 837
NHXH30-2X185	2	185	37/2.48	51	3 149	5 876
NHXH30-2X240	2	240	37/2.84	57	4 138	7 503
NHXH30-3X1/5	3	1.5	1/1.36	14	39	299
NHXH30-3X2/5	3	2.5	1/1.73	15	64	349
NHXH30-3X4	3	4	1/2.2	16	103	422
NHXH30-3X6	3	6	1/2.7	17	155	511
NHXH30-3X10	3	10	1/3.5	19	257	672

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH30-3X16	3	16	7/1.67	22	420	963
NHXH30-3X25	3	25	7/2.09	26	658	1 361
NHXH30-3X35	3	35	7/2.48	29	912	1 790
NHXH30-3X50	3	50	19/1.76	32	1 258	2 313
NHXH30-3X70	3	70	19/2.13	37	1 801	3 154
NHXH30-3X95	3	95	19/2.48	41	2 485	4 073
NHXH30-3X120	3	120	37/2.01	46	3 122	5 050
NHXH30-3X150	3	150	37/2.21	50	3 812	6 108
NHXH30-3X185	3	185	37/2.48	55	4 723	7 472
NHXH30-3X240	3	240	37/2.84	61	6 207	9 536
NHXH30-4X1/5	4	1.5	1/1.36	15	53	344
NHXH30-4X2/5	4	2.5	1/1.73	16	85	406
NHXH30-4X4	4	4	1/2.2	17	138	498
NHXH30-4X6	4	6	1/2.7	19	207	610
NHXH30-4X10	4	10	1/3.5	20	342	814
NHXH30-4X16	4	16	7/1.67	24	560	1 179
NHXH30-4X25	4	25	7/2.09	29	878	1 764
NHXH30-4X35	4	35	7/2.48	32	1 216	2 253
NHXH30-4X50	4	50	19/1.76	36	1 678	2 919
NHXH30-4X70	4	70	19/2.13	42	2 402	4 038
NHXH30-4X95	4	95	19/2.48	46	3 313	5 193
NHXH30-4X120	4	120	37/2.01	51	4 163	6 475
NHXH30-4X150	4	150	37/2.21	56	5 083	7 801
NHXH30-4X185	4	185	37/2.48	61	6 298	9 508
NHXH30-4X240	4	240	37/2.84	68	8 276	12 193
NHXH30-5X1/5	5	1.5	1/1.36	16	66	397
NHXH30-5X2/5	5	2.5	1/1.73	17	106	473
NHXH30-5X4	5	4	1/2.2	19	172	585
NHXH30-5X6	5	6	1/2.7	20	259	723
NHXH30-5X10	5	10	1/3.5	22	428	973
NHXH30-5X16	5	16	7/1.67	26	700	1 422
NHXH30-5X25	5	25	7/2.09	32	1 097	2 132
NHXH30-5X35	5	35	7/2.48	35	1 520	2 733
NHXH30-5X50	5	50	19/1.76	39	2 097	3 554
NHXH30-5X70	5	70	19/2.13	45	3 002	4 904
NHXH30-5X95	5	95	19/2.48	51	4 142	6 357
NHXH30-5X120	5	120	37/2.01	56	5 203	7 971
NHXH30-5X150	5	150	37/2.21	61	6 353	9 610
NHXH30-5X185	5	185	37/2.48	68	7 872	11 798
NHXH30-5X240	5	240	37/2.84	76	10 345	15 179
NHXH30-1X185+95	1+E	185/95	37/2.48	45	2 378	4 495
NHXH30-3X2/5+1/5	3+E	2.5/1.5	1/1.73	16	77	397
NHXH30-3X4+2/5	3+E	4/2.5	1/2.2	17	124	484
NHXH30-3X6+4	3+E	6/4	1/2.7	19	190	592
NHXH30-3X10+4	3+E	10/4	1/3.5	20	308	782
NHXH30-3X16+10	3+E	16/10	7/1.67	24	506	1 140

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH30-3X25+16	3+E	25/16	7/2.09	29	798	1 660
NHXH30-3X35+16	3+E	35/16	7/2.48	32	1 052	2 116
NHXH30-3X50+25	3+E	50/25	19/1.76	36	1 478	2 751
NHXH30-3X70+35	3+E	70/35	19/2.13	41	2 105	3 784
NHXH30-3X95+50	3+E	95/30	19/2.48	46	2 904	4 861
NHXH30-3X120+70	3+E	120/70	37/2.01	50	3 722	6 098
NHXH30-3X150+70	3+E	150/70	37/2.21	56	4 412	7 332
NHXH30-3X185+95	3+E	185/95	37/2.48	61	5 552	8 986
NHXH30-3X240+120	3+E	240/120	37/2.84	68	7 247	11 346
NHXH30-4X2/5+1/5	4+E	2.5/1.5	1/1.73	17	98	463
NHXH30-4X4+2/5	4+E	4/2.5	1/2.2	19	159	571
NHXH30-4X6+4	4+E	6/4	1/2.7	20	242	704
NHXH30-4X10+4	4+E	10/4	1/3.5	22	377	941
NHXH30-4X16+10	4+E	16/10	7/1.67	26	646	1 382
NHXH30-4X25+16	4+E	25/16	7/2.09	32	1 018	2 069
NHXH30-4X35+16	4+E	35/16	7/2.48	35	1 356	2 613
NHXH30-4X50+25	4+E	50/25	19/1.76	39	1 897	3 405
NHXH30-4X70+35	4+E	70/35	19/2.13	45	2 706	4 694
NHXH30-4X95+50	4+E	95/50	19/2.48	51	3 733	6 074
NHXH30-4X120+70	4+E	120/70	37/2.01	56	4 763	7 648
NHXH30-4X150+70	4+E	150/70	37/2.21	61	5 683	9 141
NHXH30-4X185+95	4+E	185/95	37/2.48	68	7 126	11 276
NHXH30-4X240+120	4+E	240/120	37/2.84	74	9 177	14 292

Temperature limits.....-40 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Orange.
Core Identification:
Without protective conductor:
• 1 core: Black
• 2 cores: Brown – Blue
• 3 cores: Brown – Black - Grey
• 3 cores: Blue - Brown – Black (for certain applications only)
• 4 cores: Blue – Brown – Black - Grey
• 5 cores: Blue – Brown – Black – Grey --Black
With protective conductor:
• 1 core: Green/Yellow
• 3 cores: Green/Yellow – Blue – Brown
• 4 cores: Green/Yellow - Brown – Black - Grey
• 4 cores: Green/Yellow - Blue – Brown – Black (for certain applications only)
• 5 cores: Green/Yellow - Blue – Brown – Black – Grey

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

(N)HXH FE180/E90 FIREPROOF MAINS CABLES LSZH

Plain annealed stranded copper conductors, mica fire resistant tape, XLPE insulated , low smoke, zero halogen (LSZH) filling, low smoke, zero halogen (LSZH) outer sheath. Insulation integrity FE 180: DIN VDE 0472-814 (800 °C, 180 min.), IEC 60331-21. System integrity E90: DIN 4102-12 (90 min.). Flame propagation: DIN EN 50266-2-2, VDE 0482-266-2-2, IEC 60332-3-22. Smoke density: DIN EN 61034-2, VDE 0482-1034-2, IEC 61034-2. Gases evolved during combustion: DIN EN 50267-2-2, VDE 0482-267-2-2, IEC 60754-2: pH≥ 4,3; conductivity ≤ 10 µSmm-1

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH90-1X10	1	10	1/3.5	11	84	230
NHXH90-1X16	1	16	7/1.67	13	138	313
NHXH90-1X25	1	25	7/2.09	14	216	427
NHXH90-1X35	1	35	7/2.48	16	299	535
NHXH90-1X50	1	50	19/1.76	17	408	682
NHXH90-1X70	1	70	19/2.13	19	590	919
NHXH90-1X95	1	95	19/2.48	21	814	1 174
NHXH90-1X120	1	120	37/2.01	23	1 030	1 448
NHXH90-1X150	1	150	37/2.21	25	1 249	1 734
NHXH90-1X185	1	185	37/2.48	28	1 548	2 156
NHXH90-1X240	1	240	37/2.84	31	2 034	2 743
NHXH90-1X300	1	300	61/2.48	35	2 620	3 492
NHXH90-2X1/5	2	1.5	1/1.36	14	26	273
NHXH90-2X2/5	2	2.5	1/1.73	15	43	314
NHXH90-2X4	2	4	1/2.2	15	69	373
NHXH90-2X6	2	6	1/2.7	16	104	444
NHXH90-2X10	2	10	1/3.5	18	171	570
NHXH90-2X16	2	16	7/1.67	21	280	807
NHXH90-2X25	2	25	7/2.09	24	439	1 125
NHXH90-2X35	2	35	7/2.48	27	608	1 455
NHXH90-2X50	2	50	19/1.76	30	839	1 867
NHXH90-2X70	2	70	19/2.13	35	1 201	2 547
NHXH90-2X95	2	95	19/2.48	39	1 657	3 241
NHXH90-2X120	2	120	37/2.01	43	2 081	4 003
NHXH90-2X150	2	150	37/2.21	47	2 541	4 837
NHXH90-2X185	2	185	37/2.48	51	3 149	5 876
NHXH90-2X240	2	240	37/2.84	57	4 138	7 503
NHXH90-3X1/5	3	1.5	1/1.36	14	39	299
NHXH90-3X2/5	3	2.5	1/1.73	15	64	349
NHXH90-3X4	3	4	1/2.2	16	103	422
NHXH90-3X6	3	6	1/2.7	17	155	511
NHXH90-3X10	3	10	1/3.5	19	257	672

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH90-3X16	3	16	7/1.67	22	420	963
NHXH90-3X25	3	25	7/2.09	26	658	1 361
NHXH90-3X35	3	35	7/2.48	29	912	1 790
NHXH90-3X50	3	50	19/1.76	32	1 258	2 313
NHXH90-3X70	3	70	19/2.13	37	1 801	3 154
NHXH90-3X95	3	95	19/2.48	41	2 485	4 073
NHXH90-3X120	3	120	37/2.01	46	3 122	5 050
NHXH90-3X150	3	150	37/2.21	50	3 812	6 108
NHXH90-3X185	3	185	37/2.48	55	4 723	7 472
NHXH90-3X240	3	240	37/2.84	61	6 207	9 536
NHXH90-4X1/5	4	1.5	1/1.36	15	53	344
NHXH90-4X2/5	4	2.5	1/1.73	16	85	406
NHXH90-4X4	4	4	1/2.2	17	138	498
NHXH90-4X6	4	6	1/2.7	19	207	610
NHXH90-4X10	4	10	1/3.5	20	342	814
NHXH90-4X16	4	16	7/1.67	24	560	1 179
NHXH90-4X25	4	25	7/2.09	29	878	1 764
NHXH90-4X35	4	35	7/2.48	32	1 216	2 253
NHXH90-4X50	4	50	19/1.76	36	1 678	2 919
NHXH90-4X70	4	70	19/2.13	42	2 402	4 038
NHXH90-4X95	4	95	19/2.48	46	3 313	5 193
NHXH90-4X120	4	120	37/2.01	51	4 163	6 475
NHXH90-4X150	4	150	37/2.21	56	5 083	7 801
NHXH90-4X185	4	185	37/2.48	61	6 298	9 508
NHXH90-4X240	4	240	37/2.84	68	8 276	12 193
NHXH90-5X1/5	5	1.5	1/1.36	16	66	397
NHXH90-5X2/5	5	2.5	1/1.73	17	106	473
NHXH90-5X4	5	4	1/2.2	19	172	585
NHXH90-5X6	5	6	1/2.7	20	259	723
NHXH90-5X10	5	10	1/3.5	22	428	973
NHXH90-5X16	5	16	7/1.67	26	700	1 422
NHXH90-5X25	5	25	7/2.09	32	1 097	2 132
NHXH90-5X35	5	35	7/2.48	35	1 520	2 733
NHXH90-5X50	5	50	19/1.76	39	2 097	3 554
NHXH90-5X70	5	70	19/2.13	45	3 002	4 904
NHXH90-5X95	5	95	19/2.48	51	4 142	6 357
NHXH90-5X120	5	120	37/2.01	56	5 203	7 971
NHXH90-5X150	5	150	37/2.21	61	6 353	9 610
NHXH90-5X185	5	185	37/2.48	68	7 872	11 798
NHXH90-5X240	5	240	37/2.84	76	10 345	15 179
NHXH90-1X185-95	1+E	185/95	37/2.48	45	2 378	4 495
NHXH90+3X2/5-1/5	3+E	2.5/1.5	1/1.73	16	77	397
NHXH90+3X4-2/5	3+E	4/2.5	1/2.2	17	124	484
NHXH90-3X6+4	3+E	6/4	1/2.7	19	190	592
NHXH90-3X10+4	3+E	10/4	1/3.5	20	308	782
NHXH90-3X16+10	3+E	16/10	7/1.67	24	506	1 140

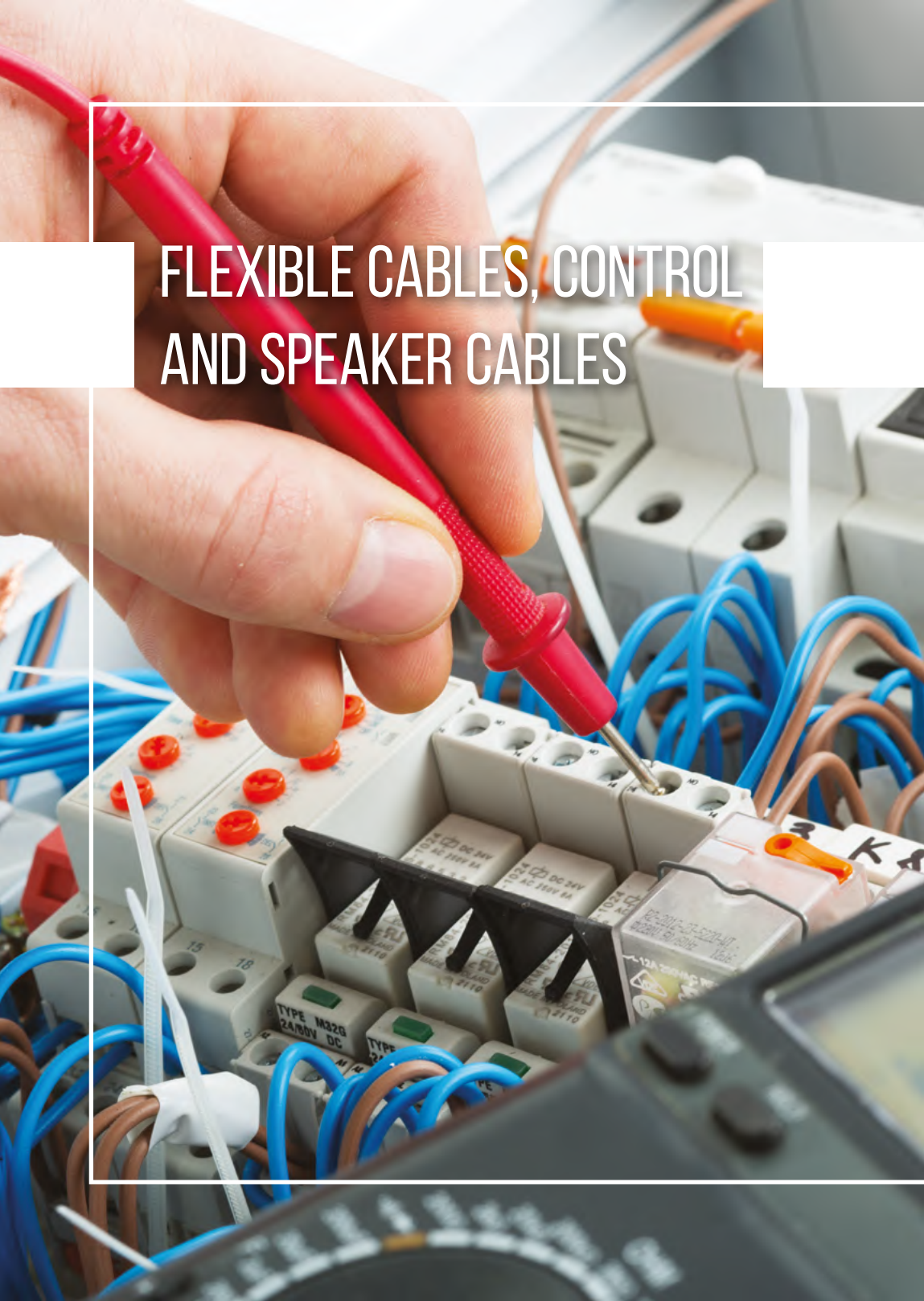
**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

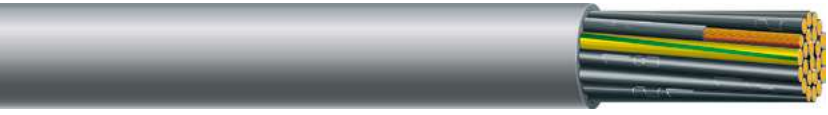
ECG Code	Number of cores	Conductor Size, (mm²)	Main core stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NHXH90-3X25+16	3+E	25/16	7/2.09	29	798	1 660
NHXH90-3X35+16	3+E	35/16	7/2.48	32	1 052	2 116
NHXH90-3X50+25	3+E	50/25	19/1.76	36	1 478	2 751
NHXH90-3X70+35	3+E	70/35	19/2.13	41	2 105	3 784
NHXH90-3X95+50	3+E	95/30	19/2.48	46	2 904	4 861
NHXH90-3X120+70	3+E	120/70	37/2.01	50	3 722	6 098
NHXH90-3X150+70	3+E	150/70	37/2.21	56	4 412	7 332
NHXH90-3X185+95	3+E	185/95	37/2.48	61	5 552	8 986
NHXH90-3X240+120	3+E	240/120	37/2.84	68	7 247	11 346
NHXH90-4X2/5+1/5	4+E	2.5/1.5	1/1.73	17	98	463
NHXH90-4X4+2/5	4+E	4/2.5	1/2.2	19	159	571
NHXH90-4X6+4	4+E	6/4	1/2.7	20	242	704
NHXH90-4X10+4	4+E	10/4	1/3.5	22	377	941
NHXH90-4X16+10	4+E	16/10	7/1.67	26	646	1 382
NHXH90-4X25+16	4+E	25/16	7/2.09	32	1 018	2 069
NHXH90-4X35+16	4+E	35/16	7/2.48	35	1 356	2 613
NHXH90-4X50+25	4+E	50/25	19/1.76	39	1 897	3 405
NHXH90-4X70+35	4+E	70/35	19/2.13	45	2 706	4 694
NHXH90-4X95+50	4+E	95/50	19/2.48	51	3 733	6 074
NHXH90-4X120+70	4+E	120/70	37/2.01	56	4 763	7 648
NHXH90-4X150+70	4+E	150/70	37/2.21	61	5 683	9 141
NHXH90-4X185+95	4+E	185/95	37/2.48	68	7 126	11 276
NHXH90-4X240+120	4+E	240/120	37/2.84	74	9 177	14 292

Temperature limits.....-40 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+250 °C
Bending radius
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Orange.
Core Identification:
Without protective conductor:
• 1 core: Black
• 2 cores: Brown – Blue
• 3 cores: Brown – Black - Grey
• 3 cores: Blue - Brown – Black (for certain applications only)
• 4 cores: Blue – Brown – Black - Grey
• 5 cores: Blue – Brown – Black – Grey --Black
With protective conductor:
• 1 core: Green/Yellow
• 3 cores: Green/Yellow – Blue – Brown
• 4 cores: Green/Yellow - Brown – Black - Grey
• 4 cores: Green/Yellow - Blue – Brown – Black (for certain applications only)
• 5 cores: Green/Yellow - Blue – Brown – Black – Grey

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*



FLEXIBLE CABLES, CONTROL AND SPEAKER CABLES



YSLY 300/500 PVC FLEXIBLE CONTROL CABLE

Plain annealed flexible copper conductors to IEC 60228, PVC insulated, PVC outer sheath. 300/500 volts. Flame propagation to EN 50265-2-1, IEC 60332-1-2.

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY2X0/5	2	0.5	15/0.198	4.9	8.4	32,6
YSLY3X0/5	3	0.5	15/0.198	5.1	12.7	38,9
YSLY4X0/5	4	0.5	15/0.198	5.6	16.9	47,5
YSLY5X0/5	5	0.5	15/0.198	6.3	21.1	58,3
YSLY6X0/5	6	0.5	15/0.198	6.8	25.3	70,7
YSLY7X0/5	7	0.5	15/0.198	6.8	29.5	74
YSLY8X0/5	8	0.5	15/0.198	7.3	33.8	85,4
YSLY10X0/5	10	0.5	15/0.198	8.5	42.2	113,1
YSLY12X0/5	12	0.5	15/0.198	9.0	50.6	128,7
YSLY14X0/5	14	0.5	15/0.198	9.6	59.1	148,7
YSLY18X0/5	18	0.5	15/0.198	10.9	75.9	189,4
YSLY19X0/5	19	0.5	15/0.198	10.9	80.2	188
YSLY21X0/5	21	0.5	15/0.198	11.1	88.6	205,8
YSLY24X0/5	24	0.5	15/0.198	12.6	101.3	248,4
YSLY25X0/5	25	0.5	15/0.198	13.1	105.5	270,4
YSLY27X0/5	27	0.5	15/0.198	13.1	113.9	277
YSLY30X0/5	30	0.5	15/0.198	13.7	126.6	306,1
YSLY34X0/5	34	0.5	15/0.198	14.7	143.5	351,1
YSLY36X0/5	36	0.5	15/0.198	14.7	151.9	351,3
YSLY37X0/5	37	0.5	15/0.198	14.7	156.1	354,7
YSLY40X0/5	40	0.5	15/0.198	15.4	168.8	394,9
YSLY42X0/5	42	0.5	15/0.198	16.6	177.2	444,3
YSLY44X0/5	44	0.5	15/0.198	16.6	185.6	450,9
YSLY48X0/5	48	0.5	15/0.198	17.1	202.5	474,1
YSLY50X0/5	50	0.5	15/0.198	17.8	211.0	513,1
YSLY52X0/5	52	0.5	15/0.198	17.8	219.4	519,8
YSLY60X0/5	60	0.5	15/0.198	18.8	253.2	587,1
YSLY61X0/5	61	0.5	15/0.198	18.8	257.4	590,4
YSLY2X0/75	2	0.75	23/0.198	5.4	12.9	41,7
YSLY3X0/75	3	0.75	23/0.198	5.7	19.4	50,5

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY4X0/75	4	0.75	23/0.198	6.4	25.9	65
YSLY5X0/75	5	0.75	23/0.198	7.0	32.3	76,2
YSLY6X0/75	6	0.75	23/0.198	7.6	38.8	92,8
YSLY7X0/75	7	0.75	23/0.198	7.6	45.3	97,8
YSLY8X0/75	8	0.75	23/0.198	8.2	51.8	113,1
YSLY9X0/75	9	0.75	23/0.198	9.4	58.2	141,1
YSLY10X0/75	10	0.75	23/0.198	10.0	64.7	158,8
YSLY12X0/75	12	0.75	23/0.198	10.3	77.6	175,5
YSLY14X0/75	14	0.75	23/0.198	10.8	90.6	197,5
YSLY15X0/75	15	0.75	23/0.198	11.5	97.0	221,3
YSLY18X0/75	18	0.75	23/0.198	12.3	116.5	257,2
YSLY19X0/75	19	0.75	23/0.198	12.3	122.9	262,2
YSLY20X0/75	20	0.75	23/0.198	12.6	129.4	275,6
YSLY21X0/75	21	0.75	23/0.198	12.6	135.9	280,6
YSLY24X0/75	24	0.75	23/0.198	14.3	155.3	345,4
YSLY25X0/75	25	0.75	23/0.198	14.8	161.7	366,6
YSLY27X0/75	27	0.75	23/0.198	14.8	174.7	370,1
YSLY30X0/75	30	0.75	23/0.198	15.6	194.1	415,5
YSLY32X0/75	32	0.75	23/0.198	16.1	207.0	445,3
YSLY34X0/75	34	0.75	23/0.198	16.9	220.0	484,2
YSLY36X0/75	36	0.75	23/0.198	16.9	232.9	486,8
YSLY37X0/75	37	0.75	23/0.198	16.9	239.4	491,8
YSLY40X0/75	40	0.75	23/0.198	19.1	265.3	605,7
YSLY42X0/75	42	0.75	23/0.198	19.1	271.7	610,7
YSLY44X0/75	44	0.75	23/0.198	19.1	284.7	620,7
YSLY48X0/75	48	0.75	23/0.198	19.4	310.5	653,6
YSLY50X0/75	50	0.75	23/0.198	19.9	323.5	686
YSLY52X0/75	52	0.75	23/0.198	19.9	336.4	695,9
YSLY60X0/75	60	0.75	23/0.198	21.1	388.2	788,4
YSLY61X0/75	61	0.75	23/0.198	21.1	394.6	793,4
YSLY2X1	2	1	30/0.198	5.5	16.9	47,2
YSLY3X1	3	1	30/0.198	5.9	25.3	57,9
YSLY4X1	4	1	30/0.198	6.6	33.8	74,8
YSLY5X1	5	1	30/0.198	7.2	42.2	88,2
YSLY6X1	6	1	30/0.198	8.0	50.6	111
YSLY7X1	7	1	30/0.198	8.0	59.1	117,7
YSLY8X1	8	1	30/0.198	8.6	67.5	135,8
YSLY9X1	9	1	30/0.198	9.7	75.9	163,2
YSLY10X1	10	1	30/0.198	10.3	84.4	183,6
YSLY12X1	12	1	30/0.198	10.6	101.3	204,4
YSLY14X1	14	1	30/0.198	11.3	118.1	235,6
YSLY15X1	16	1	30/0.198	12.1	135.0	269,6

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY18X1	18	1	30/0.198	12.7	151.9	300
YSLY19X1	19	1	30/0.198	12.7	160.3	306,8
YSLY20X1	20	1	30/0.198	13.3	168.8	328,3
YSLY21X1	21	1	30/0.198	13.3	177.2	335,1
YSLY24X1	24	1	30/0.198	15.2	202.5	416,4
YSLY25X1	25	1	30/0.198	15.5	211.0	433,9
YSLY27X1	27	1	30/0.198	15.5	227.8	447,4
YSLY30X1	30	1	30/0.198	16.3	253.2	493,4
YSLY32X1	32	1	30/0.198	17.7	286.9	573,2
YSLY34X1	34	1	30/0.198	17.7	303.8	586,6
YSLY36X1	36	1	30/0.198	17.7	312.2	593,4
YSLY37X1	37	1	30/0.198	20.0	346.0	714,3
YSLY40X1	40	1	30/0.198	20.0	354.4	721
YSLY42X1	42	1	30/0.198	20.0	371.3	734,5
YSLY44X1	44	1	30/0.198	20.3	405.1	775,6
YSLY48X1	48	1	30/0.198	21.0	421.9	822,6
YSLY50X1	50	1	30/0.198	21.0	438.8	836
YSLY52X1	52	1	30/0.198	21.6	472.6	890,7
YSLY60X1	60	1	30/0.198	22.2	506.3	947,6
YSLY61X1	61	1	30/0.198	22.2	514.8	954,4
YSLY2X1/5	2	1.5	30/0.238	6.3	24.4	62,4
YSLY3X1/5	3	1.5	30/0.238	6.6	36.6	77,2
YSLY4X1/5	4	1.5	30/0.238	7.2	48.8	96,1
YSLY5X1/5	5	1.5	30/0.238	8.1	61.0	117,5
YSLY6X1/5	6	1.5	30/0.238	9.0	73.2	146,9
YSLY7X1/5	7	1.5	30/0.238	9.0	85.3	156,7
YSLY8X1/5	8	1.5	30/0.238	9.7	97.5	180,7
YSLY9X1/5	9	1.5	30/0.238	10.6	109.7	211,2
YSLY10X1/5	10	1.5	30/0.238	11.3	121.9	237,7
YSLY11X1/5	11	1.5	30/0.238	12.1	134.1	266,9
YSLY12X1/5	12	1.5	30/0.238	12.1	146.3	276,6
YSLY15X1/5	14	1.5	30/0.238	12.7	170.7	312,5
YSLY16X1/5	16	1.5	30/0.238	13.5	195.1	356,8
YSLY18X1/5	18	1.5	30/0.238	14.2	219.5	397,6
YSLY19X1/5	19	1.5	30/0.238	14.2	231.7	407,3
YSLY20X1/5	20	1.5	30/0.238	14.8	243.8	434,8
YSLY21X1/5	21	1.5	30/0.238	14.8	256.0	444,5
YSLY24X1/5	24	1.5	30/0.238	16.8	292.6	541,9
YSLY25X1/5	25	1.5	30/0.238	17.3	304.8	572,6
YSLY27X1/5	27	1.5	30/0.238	17.3	329.2	592
YSLY30X1/5	30	1.5	30/0.238	18.1	365.8	652,5
YSLY32X1/5	32	1.5	30/0.238	19.0	390.2	707,3

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY34X1/5	34	1.5	30/0.238	19.0	414.5	726,7
YSLY36X1/5	36	1.5	30/0.238	19.7	438.9	775,8
YSLY37X1/5	37	1.5	30/0.238	19.7	451.1	785,5
YSLY42X1/5	42	1.5	30/0.238	22.2	512.1	950,5
YSLY44X1/5	44	1.5	30/0.238	22.2	536.5	969,9
YSLY48X1/5	48	1.5	30/0.238	22.6	585.2	1026,4
YSLY50X1/5	50	1.5	30/0.238	23.6	609.6	1096,8
YSLY60X1/5	60	1.5	30/0.238	25.1	731.5	1277,7
YSLY61X1/5	61	1.5	30/0.238	25.1	743.7	1287,4
YSLY2X2/5	2	2.5	50/0.238	7.8	40.6	99,1
YSLY3X2/5	3	2.5	50/0.238	8.3	61.0	123,3
YSLY4X2/5	4	2.5	50/0.238	9.2	81.3	158,2
YSLY5X2/5	5	2.5	50/0.238	10.1	101.6	187,7
YSLY6X2/5	6	2.5	50/0.238	10.1	121.9	229,5
YSLY7X2/5	7	2.5	50/0.238	11.2	142.2	250,4
YSLY8X2/5	8	2.5	50/0.238	12.3	162.6	294,9
YSLY10X2/5	10	2.5	50/0.238	14.8	203.2	401,6
YSLY12X2/5	12	2.5	50/0.238	15.3	243.8	449
YSLY14X2/5	14	2.5	50/0.238	16.1	284.5	508
YSLY16X2/5	16	2.5	50/0.238	17.1	325.1	578,7
YSLY18X2/5	18	2.5	50/0.238	18.2	365.8	653,6
YSLY19X2/5	19	2.5	50/0.238	18.2	386.1	669,6
YSLY20X2/5	20	2.5	50/0.238	18.7	406.4	704,4
YSLY21X2/5	21	2.5	50/0.238	18.7	426.7	720,5
YSLY24X2/5	24	2.5	50/0.238	21.2	487.7	880
YSLY25X2/5	25	2.5	50/0.238	22.1	508.0	937,1
YSLY27X2/5	27	2.5	50/0.238	22.1	548.7	969,2
YSLY30X2/5	30	2.5	50/0.238	23.1	609.6	1066
YSLY34X2/5	34	2.5	50/0.238	25.0	690.9	1233,8
YSLY36X2/5	36	2.5	50/0.238	25.0	731.5	1265,9
YSLY37X2/5	37	2.5	50/0.238	25.0	751.9	1281,9
YSLY40X2/5	40	2.5	50/0.238	28.2	812.8	1517,5
YSLY42X2/5	42	2.5	50/0.238	28.4	853.5	1562,1
YSLY48X2/5	48	2.5	50/0.238	29.3	995.7	1713,1
YSLY50X2/5	50	2.5	50/0.238	30.1	1016.0	1796,1
YSLY60X2/5	60	2.5	50/0.238	32.0	1219.2	2090,4
YSLY61X2/5	61	2.5	50/0.238	32.0	1239.6	2106,4
YSLY3X4	3	4	50/0.3	9.6	96.9	177.47
YSLY4X4	4	4	50/0.3	10.7	129.1	227.83
YSLY5X5	5	4	50/0.3	11.9	161.4	283.32
YSLY7X4	7	4	50/0.3	13.2	226.0	368.90
YSLY12X4	12	4	50/0.3	17.8	387.4	655.25

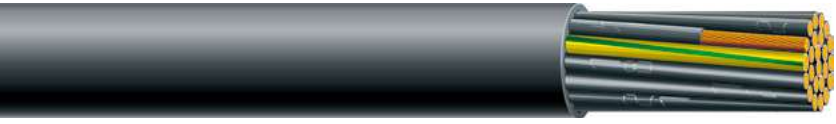
**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY3X6	3	6	74/0.3	12.87	143.4	284.11
YSLY4X6	4	6	74/0.3	14.14	191.1	355.62
YSLY5X6	5	6	74/0.3	15.73	238.9	441.82
YSLY7X6	7	6	74/0.3	17.59	334.5	577.85
YSLY19X6	19	6	74/0.3	28.12	907.9	1514.30
YSLY3X10	3	10	73/0.4	16.34	248.0	466.90
YSLY4X10	4	10	73/0.4	18.17	330.6	594.32
YSLY5X10	5	10	73/0.4	20.17	413.3	736.34
YSLY7X10	7	10	73/0.4	22.25	578.6	949.30
YSLY3X16	3	16	119/0.4	18.9	409.8	690.5
YSLY4X16	4	16	119/0.4	21.1	546.4	882.7
YSLY5X16	5	16	119/0.4	23.6	683.1	101.4
YSLY3X25	3	25	182/0.4	23.6	61.0	1100.6
YSLY4X25	4	25	182/0.4	26.4	900.0	1418.0
YSLY5X25	5	25	182/0.4	29.5	1125.0	1721.9
YSLY3X35	3	35	252/0.4	29.0	916.1	1547.3
YSLY4X35	4	35	252/0.4	32.4	1221.5	1985.7
YSLY5X35	5	35	252/0.4	36.1	1526.8	2401.2
YSLY3X50	3	50	371/0.4	30.9	1301.8	2031.2
YSLY4X50	4	50	371/0.4	35.0	1735.8	2651.3
YSLY5X50	5	50	371/0.4	38.9	2169.7	3216.8
YSLY3X70	3	70	342/0.5	38.2	1791.3	2897.6
YSLY4X70	4	70	342/0.5	42.9	2388.4	316.0
YSLY5X70	5	70	342/0.5	47.3	3067.3	4578.2
YSLY3X95	3	95	456/0.5	45.2	2339.7	3872.7
YSLY4X95	4	95	456/0.5	49.9	3119.6	4909.8
YSLY5X95	5	95	456/0.5	55.1	3899.5	5874.9
YSLY3X120	3	120	589/0.5	49.0	3022.1	4765.1
YSLY4X120	4	120	589/0.5	54.2	4029.5	6062.9
YSLY5X120	5	120	589/0.5	59.9	5036.8	7273.3
YSLY3X150	3	150	740/0.5	53.5	3717.8	5831.4
YSLY4X150	4	150	740/0.5	59.2	4957.0	7437.4
YSLY5X150	5	150	740/0.5	65.5	6328.1	9067.9

Temperature limits.....-5 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....6 x overall diameter
Colors available: Grey.
Core Identification:
• YSLY-JZ: one core – Green/Yellow, all other cores black with continuous numbering;
• YSLY-OZ: all cores black with continuous numbering;
• YSLY-JB: colored cores with Green/Yellow conductor;
• YSLY-OB: all colored cores

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*



YSLY 600/1000 PVC FLEXIBLE CONTROL CABLE

Plain annealed flexible copper conductors to IEC 60228, PVC insulated, PVC outer sheath. 600/1000 volts. Flame propagation to EN 50265-2-1, IEC 60332-1-2.

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY1-2X0/5	2	0.5	15/0.198	6,3	8,4	50
YSLY1-3X0/5	3	0.5	15/0.198	6,6	12,7	60
YSLY1-4X0/5	4	0.5	15/0.198	7,1	16,9	72
YSLY1-5X0/5	5	0.5	15/0.198	7,95	21,1	84
YSLY1-7X0/5	7	0.5	15/0.198	8,6	29,5	108
YSLY1-8X0/5	8	0.5	15/0.198	9,4	33,8	129
YSLY1-10X0/5	10	0.5	15/0.198	11,1	42,2	176
YSLY1-12X0/5	12	0.5	15/0.198	11,5	50,6	190
YSLY1-14X0/5	14	0.5	15/0.198	12,2	59,1	217
YSLY1-18X0/5	18	0.5	15/0.198	13,7	75,9	274
YSLY1-19X0/5	19	0.5	15/0.198	13,7	80,2	277
YSLY1-21X0/5	21	0.5	15/0.198	14,0	88,6	293
YSLY1-24X0/5	24	0.5	15/0.198	16,0	101,3	373
YSLY1-25X0/5	25	0.5	15/0.198	16,3	105,5	388
YSLY1-27X0/5	27	0.5	15/0.198	16,3	113,9	395
YSLY1-30X0/5	30	0.5	15/0.198	17,1	126,6	433
YSLY1-34X0/5	34	0.5	15/0.198	18,5	143,5	506
YSLY1-37X0/5	37	0.5	15/0.198	18,5	156,1	515
YSLY1-40X0/5	40	0.5	15/0.198	19,4	168,8	561
YSLY1-42X0/5	42	0.5	15/0.198	20,8	177,2	638
YSLY1-44X0/5	44	0.5	15/0.198	20,8	185,6	644
YSLY1-50X0/5	50	0.5	15/0.198	21,9	211,0	717
YSLY1-52X0/5	52	0.5	15/0.198	22,1	219,4	733
YSLY1-61X0/5	61	0.5	15/0.198	23,4	257,4	827
YSLY1-2X0/75	2	0.75	23/0.198	6,8	12,9	63
YSLY1-3X0/75	3	0.75	23/0.198	7,1	19,4	74
YSLY1-4X0/75	4	0.75	23/0.198	7,8	25,9	89
YSLY1-5X0/75	5	0.75	23/0.198	8,65	32,3	104
YSLY1-6X0/75	6	0.75	23/0.198	9,6	38,8	135
YSLY1-7X0/75	7	0.75	23/0.198	9,6	45,3	140

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY1-8X0/75	8	0.75	23/0.198	10,3	51,8	161
YSLY1-9X0/75	9	0.75	23/0.198	11,4	58,2	195
YSLY1-10X0/75	10	0.75	23/0.198	12,2	64,7	220
YSLY1-12X0/75	12	0.75	23/0.198	12,7	77,6	245
YSLY1-14X0/75	14	0.75	23/0.198	13,5	90,6	280
YSLY1-15X0/75	15	0.75	23/0.198	14,2	97,0	307
YSLY1-18X0/75	18	0.75	23/0.198	14,9	116,5	345
YSLY1-19X0/75	19	0.75	23/0.198	14,9	122,9	350
YSLY1-20X0/75	20	0.75	23/0.198	15,5	129,4	375
YSLY1-21X0/75	21	0.75	23/0.198	15,5	135,9	379
YSLY1-24X0/75	24	0.75	23/0.198	17,7	155,3	480
YSLY1-25X0/75	25	0.75	23/0.198	18,1	161,7	500
YSLY1-27X0/75	27	0.75	23/0.198	18,1	174,7	509
YSLY1-30X0/75	30	0.75	23/0.198	18,9	194,1	559
YSLY1-32X0/75	32	0.75	23/0.198	19,6	207,0	599
YSLY1-34X0/75	34	0.75	23/0.198	20,5	220,0	651
YSLY1-37X0/75	37	0.75	23/0.198	20,5	239,4	665
YSLY1-41X0/75	41	0.75	23/0.198	22,9	265,3	806
YSLY1-42X0/75	42	0.75	23/0.198	22,9	271,7	810
YSLY1-44X0/75	44	0.75	23/0.198	22,9	284,7	819
YSLY1-50X0/75	50	0.75	23/0.198	24,7	323,5	947
YSLY1-52X0/75	52	0.75	23/0.198	24,7	336,4	956
YSLY1-61X0/75	61	0.75	23/0.198	26,1	394,6	1081
YSLY1-2X1	2	1	30/0.198	6,9	16,9	69
YSLY1-3X1	3	1	30/0.198	7,3	25,3	82
YSLY1-4X1	4	1	30/0.198	8,2	33,8	104
YSLY1-5X1	5	1	30/0.198	9,07	42,2	121
YSLY1-6X1	6	1	30/0.198	9,8	50,6	151
YSLY1-7X1	7	1	30/0.198	9,8	59,1	157
YSLY1-8X1	8	1	30/0.198	10,8	67,5	187
YSLY1-9X1	9	1	30/0.198	11,9	75,9	225
YSLY1-10X1	10	1	30/0.198	12,7	84,4	252
YSLY1-12X1	12	1	30/0.198	13,1	101,3	276
YSLY1-14X1	14	1	30/0.198	13,9	118,1	316
YSLY1-16X1	16	1	30/0.198	14,6	135,0	352
YSLY1-18X1	18	1	30/0.198	15,5	151,9	398
YSLY1-19X1	19	1	30/0.198	15,5	160,3	405
YSLY1-20X1	20	1	30/0.198	16,1	168,8	432
YSLY1-21X1	21	1	30/0.198	16,1	177,2	439
YSLY1-24X1	24	1	30/0.198	18,2	202,5	542
YSLY1-25X1	25	1	30/0.198	18,8	211,0	574
YSLY1-27X1	27	1	30/0.198	18,8	227,8	586

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY1-30X1	30	1	30/0.198	19,4	253,2	634
YSLY1-34X1	34	1	30/0.198	21,3	286,9	748
YSLY1-37X1	37	1	30/0.198	21,3	312,2	767
YSLY1-41X1	41	1	30/0.198	24,0	346,0	934
YSLY1-42X1	42	1	30/0.198	24,0	354,4	941
YSLY1-44X1	44	1	30/0.198	24,0	371,3	953
YSLY1-50X1	50	1	30/0.198	25,4	421,9	1074
YSLY1-52X1	52	1	30/0.198	25,4	438,8	1087
YSLY1-56X1	56	1	30/0.198	26,1	472,6	1155
YSLY1-61X1	61	1	30/0.198	27,0	514,8	1245
YSLY1-2X1/5	2	1.5	30/0.238	8,1	24,4	95
YSLY1-3X1/5	3	1.5	30/0.238	8,5	36,6	112
YSLY1-4X1/5	4	1.5	30/0.238	9,5	48,8	142
YSLY1-5X1/5	5	1.5	30/0.238	10,50	61,0	166
YSLY1-6X1/5	6	1.5	30/0.238	11,4	73,2	207
YSLY1-7X1/5	7	1.5	30/0.238	11,4	85,3	216
YSLY1-8X1/5	8	1.5	30/0.238	12,7	97,5	262
YSLY1-9X1/5	9	1.5	30/0.238	14,0	109,7	314
YSLY1-10X1/5	10	1.5	30/0.238	14,9	121,9	353
YSLY1-11X1/5	11	1.5	30/0.238	15,4	134,1	378
YSLY1-12X1/5	12	1.5	30/0.238	15,4	146,3	387
YSLY1-14X1/5	14	1.5	30/0.238	16,3	170,7	441
YSLY1-16X1/5	16	1.5	30/0.238	17,2	195,1	492
YSLY1-18X1/5	18	1.5	30/0.238	18,2	219,5	556
YSLY1-19X1/5	19	1.5	30/0.238	18,2	231,7	565
YSLY1-20X1/5	20	1.5	30/0.238	18,9	243,8	602
YSLY1-21X1/5	21	1.5	30/0.238	18,9	256,0	611
YSLY1-24X1/5	24	1.5	30/0.238	21,6	292,6	766
YSLY1-25X1/5	25	1.5	30/0.238	22,2	304,8	809
YSLY1-27X1/5	27	1.5	30/0.238	22,2	329,2	827
YSLY1-30X1/5	30	1.5	30/0.238	23,2	365,8	906
YSLY1-32X1/5	32	1.5	30/0.238	24,0	390,2	971
YSLY1-34X1/5	34	1.5	30/0.238	24,2	414,5	1000
YSLY1-37X1/5	37	1.5	30/0.238	25,1	451,1	1079
YSLY1-42X1/5	42	1.5	30/0.238	28,2	512,1	1320
YSLY1-44X1/5	44	1.5	30/0.238	28,2	536,5	1339
YSLY1-50X1/5	50	1.5	30/0.238	29,8	609,6	1503
YSLY1-61X1/5	61	1.5	30/0.238	31,9	743,7	1758
YSLY1-2X2/5	2	2.5	50/0.238	9,6	40,6	139
YSLY1-3X2/5	3	2.5	50/0.238	10,2	61,0	167
YSLY1-4X2/5	4	2.5	50/0.238	11,3	81,3	211
YSLY1-5X2/5	5	2.5	50/0.238	12,53	101,6	246

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY1-7X2/5	7	2.5	50/0.238	13,8	142,2	330
YSLY1-8X2/5	8	2.5	50/0.238	15,1	162,6	389
YSLY1-10X2/5	10	2.5	50/0.238	17,8	203,2	525
YSLY1-12X2/5	12	2.5	50/0.238	18,6	243,8	587
YSLY1-14X2/5	14	2.5	50/0.238	19,7	284,5	669
YSLY1-16X2/5	16	2.5	50/0.238	20,9	325,1	758
YSLY1-18X2/5	18	2.5	50/0.238	22,0	365,8	843
YSLY1-19X2/5	19	2.5	50/0.238	22,0	386,1	858
YSLY1-20X2/5	20	2.5	50/0.238	22,8	406,4	913
YSLY1-21X2/5	21	2.5	50/0.238	22,8	426,7	928
YSLY1-24X2/5	24	2.5	50/0.238	26,2	487,7	1172
YSLY1-25X2/5	25	2.5	50/0.238	26,8	508,0	1222
YSLY1-27X2/5	27	2.5	50/0.238	26,8	548,7	1252
YSLY1-30X2/5	30	2.5	50/0.238	27,9	609,6	1371
YSLY1-34X2/5	34	2.5	50/0.238	30,4	690,9	1604
YSLY1-37X2/5	37	2.5	50/0.238	30,4	751,9	1649
YSLY1-40X2/5	40	2.5	50/0.238	34,4	812,8	2000
YSLY1-42X2/5	42	2.5	50/0.238	34,4	853,5	2030
YSLY1-50X2/5	50	2.5	50/0.238	36,3	1016,0	2309
YSLY1-61X2/5	61	2.5	50/0.238	38,8	1239,6	2698
YSLY1-3X4	3	4	50/0.3	11,5	96,9	228
YSLY1-4X4	4	4	50/0.3	12,8	129,1	288
YSLY1-5X4	5	4	50/0.3	14,14	161,4	338
YSLY1-7X4	7	4	50/0.3	15,6	226,0	455
YSLY1-12X4	12	4	50/0.3	21,1	387,4	816
YSLY1-3X6	3	6	74/0.3	14,1	143,4	332
YSLY1-4X6	4	6	74/0.3	15,7	191,1	419
YSLY1-5X6	5	6	74/0.3	17,41	238,9	490
YSLY1-7X6	7	6	74/0.3	19,4	334,5	668
YSLY1-19X6	19	6	74/0.3	31,5	907,9	1780
YSLY1-3X10	3	10	73/0.4	18,2	248,0	556
YSLY1-4X10	4	10	73/0.4	20,2	330,6	701
YSLY1-5X10	5	10	73/0.4	22,39	413,3	818
YSLY1-7X10	7	10	73/0.4	24,9	578,6	1111
YSLY1-3X16	3	16	119/0.4	20,8	409,8	794
YSLY1-4X16	4	16	119/0.4	22,9	546,4	996
YSLY1-5X16	5	16	119/0.4	25,40	683,1	1173
YSLY1-3X25	3	25	182/0.4	25,3	675,0	1224
YSLY1-4X25	4	25	182/0.4	28,2	900,0	1557
YSLY1-5X25	5	25	182/0.4	31,26	1125,0	1838
YSLY1-3X35	3	35	252/0.4	29,6	916,1	1627
YSLY1-4X35	4	35	252/0.4	33,0	1221,5	2069

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YSLY1-5X35	5	35	252/0.4	36,60	1526,8	2439
YSLY1-3X50	3	50	371/0.4	31,8	1301,8	2133
YSLY1-4X50	4	50	371/0.4	35,3	1735,8	2728
YSLY1-5X50	5	50	371/0.4	39,22	2169,7	3240
YSLY1-3X70	3	70	342/0.5	37,4	1791,3	2885
YSLY1-4X70	4	70	342/0.5	41,7	2388,4	3706
YSLY1-5X70	5	70	342/0.5	46,11	3067,3	4455
YSLY1-3X95	3	95	456/0.5	44,0	2339,7	3828
YSLY1-4X95	4	95	456/0.5	48,9	3119,6	4883
YSLY1-5X95	5	95	456/0.5	54,54	3899,5	5803
YSLY1-3X120	3	120	589/0.5	48,0	3022,1	4744
YSLY1-4X120	4	120	589/0.5	53,6	4029,5	6090
YSLY1-3X150	3	150	740/0.5	51,8	3717,8	5733
YSLY1-4X150	4	150	740/0.5	57,8	4957,0	7369

Temperature limits.....-5 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....7,5 x overall diameter
Colors available: Black.
Core Identification:
• YSLY-JZ 600/1000: one core – Green/Yellow, all other cores black with continuous numbering;
• YSLY-OZ 600/1000: all cores black with continuous numbering;
• YSLY-JB 600/1000: colored cores with Green/Yellow conductor;
• YSLY-OB 600/1000: all colored cores

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

YSLCY FLEXIBLE CONTROL SCREENED CABLE

Control flexible screened YSLCY cables are used as a universal measuring and control cable in mechanical engineering and industrial equipment with increased requirements for protection against interference in signal transmission. The copper screen is made in the form of a braid. The cables are intended for fixed indoor installation. The cables are classified as flame retardant when single alone in accordance with EN 60332-1-2.

Cable construction:

1. Bare copper conductor, class 5 of flexibility according to EN 60228. Nominal cross-section of conductors is from 0,5 to 6 mm2. Number of conductors is from 2 to 7.
2. PVC insulated. Insulated conductors of the cable have a distinctive designation: color or number marking.
3. Insulated conductors are twisted into a core.
4. PET tape is applied over the core.
5. Tinned copper wire braid. Braid density is 65 ±3 %
6. PVC outer sheath.

Cable type	Construction	Nominal cable diameter (calculated mm)	Nominal insulation thickness (mm)	Nominal sheath thickness (mm)	Conductor resistance at 200° C, not more	Net weight, calculated (Kg/km)
YSLCY	2x0,5	5,5	0,4	0,7	39	45,9
YSLCY	3x0,5	5,8	0,4	0,7	39	53,1
YSLCY	4x0,5	6,3	0,4	0,7	39	61,5
YSLCY	5x0,5	6,9	0,4	0,8	39	76,2
YSLCY	6x0,5	7,5	0,4	0,8	39	84,6
YSLCY	7x0,5	7,5	0,4	0,8	39	91,2
YSLCY	2x0,75	6,1	0,4	0,7	26	55,5
YSLCY	3x0,75	6,4	0,4	0,7	26	67,0
YSLCY	4x0,75	7,1	0,4	0,8	26	80,0
YSLCY	5x0,75	7,6	0,4	0,8	26	95,3
YSLCY	6x0,75	8,2	0,4	0,8	26	106,5
YSLCY	7x0,75	8,2	0,4	0,8	26	115,9
YSLCY	2x1	6,2	0,4	0,7	19.5	61,1
YSLCY	3x1	6,5	0,4	0,7	19.5	74,7
YSLCY	4x1	7,3	0,4	0,8	19.5	89,9
YSLCY	5x1	7,9	0,4	0,8	19.5	107,7

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

Cable type	Construction	Nominal cable diameter (calculated mm)	Nominal insulation thickness (mm)	Nominal sheath thickness (mm)	Conductor resistance at 200° C, not more	Net weight, calculated (Kg/km)
YSLCY	6x1	8,7	0,4	0,9	19.5	125,3
YSLCY	7x1	8,7	0,4	0,9	19.5	136,7
YSLCY	2x1,5	7,1	0,4	0,8	13,3	80,8
YSLCY	3x1,5	7,5	0,4	0,8	13,3	99,1
YSLCY	4x1,5	8,1	0,4	0,8	13,3	116,0
YSLCY	5x1,5	8,8	0,4	0,9	13,3	138,7
YSLCY	6x1,5	9,7	0,4	1,0	13,3	161,3
YSLCY	7x1,5	9,7	0,4	1,0	13,3	177,0
YSLCY	2x2,5	8,5	0,5	0,9	7,98	114,6
YSLCY	3x2,5	8,9	0,5	0,9	7,98	143,6
YSLCY	4x2,5	9,9	0,5	1,0	7,98	175,4
YSLCY	5x2,5	10,8	0,5	1,0	7,98	211,4
YSLCY	6x2,5	11,7	0,5	1,0	7,98	239,8
YSLCY	7x2,5	11,9	0,5	1,1	7,98	271,7
YSLCY	2x4	9,7	0,5	1,0	4,95	156,3
YSLCY	3x4	10,3	0,5	1,0	4,95	199,0
YSLCY	4x4	11,4	0,5	1,1	4,95	244,6
YSLCY	5x4	12,6	0,5	1,2	4,95	303,0
YSLCY	7x4	13,8	0,5	1,3	4,95	391,0
YSLCY	2x6	12,8	0,6	1,2	3,3	239,8
YSLCY	3x6	13,5	0,6	1,2	3,3	303,8
YSLCY	4x6	14,8	0,6	1,2	3,3	363,0
YSLCY	5x6	16,8	0,6	1,3	3,3	467,9

Cable operating temperature.....from - 15° C to + 50° C
Continuous allowed heating temperature of cable cores during operation.....+70°C
Maximum short circuit temperature.....150°C
Cable installation must be performed at a temperature not lower than -5 °C
The minimum bending radius during laying must be at least 6 outer diameters of the cable.
Cables are supplied in coils or on wooden drums.
The standard coil length is 100 m, other lengths are subject to consideration.

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

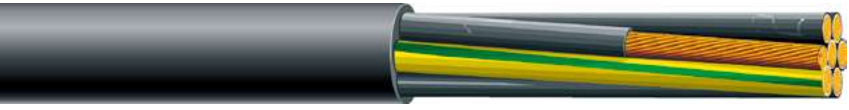
NYY CONTROL CABLE

Plain annealed bare copper conductors to IEC 60228, PVC insulated, PVC outer sheath. Black.
600/1000 volts. Manufactured to DIN VDE 0276-627 :2006-09; HD 627 S1:1996 + A1:2000 +A2:2005

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYYC7X1/5RE	7	1.5	1/1.36	13,7	93,4	284,5
NYYC10X1/5RE	10	1.5	1/1.36	16,7	133,4	384,4
NYYC12X1/5RE	12	1.5	1/1.36	17,9	160,0	467,7
NYYC14X1/5RE	14	1.5	1/1.36	18,7	186,7	521,5
NYYC19X1/5RE	19	1.5	1/1.36	20,5	253,4	653,5
NYYC24X1/5RE	24	1.5	1/1.36	23,4	320,1	802,4
NYYC27X1/5RE	27	1.5	1/1.36	23,9	360,1	873,5
NYYC30X1/5RE	30	1.5	1/1.36	24,6	400,1	948,9
NYYC37X1/5RE	37	1.5	1/1.36	26,4	493,4	1124,1
NYYC7X2/5RE	7	2.5	1/1.73	14,8	148,9	362,4
NYYC10X2/5RE	10	2.5	1/1.73	18,9	212,7	531,0
NYYC12X2/5RE	12	2.5	1/1.73	19,4	255,2	599,9
NYYC14X2/5RE	14	2.5	1/1.73	20,3	297,7	673,6
NYYC19X2/5RE	19	2.5	1/1.73	22,3	404,0	855,0
NYYC24X2/5RE	24	2.5	1/1.73	25,6	510,4	1055,4
NYYC27X2/5RE	27	2.5	1/1.73	26,1	574,2	1155,1
NYYC30X2/5RE	30	2.5	1/1.73	27,0	638,0	1259,8
NYYC37X2/5RE	37	2.5	1/1.73	29,1	786,8	1517,1
NYYC7X4RE	7	4	1/2.2	18,2	240,7	559,5
NYYC10X4RE	10	4	1/2.2	22,4	343,9	766,2
NYYC12X4RE	12	4	1/2.2	23,0	412,7	874,4
NYYC30X4RE	30	4	1/2.2	32,9	1031,7	1930,4

Temperature limits.....-20 °C to +70 °C
Max. temperature of conductor.....+70 °C
Bending radius.....12 x overall diameter
Colors available: Black.
Core Identification: One core Green/Yellow, all other cores black with continuous numbering.

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*



YY CONTROL CABLE

Plain annealed flexible copper conductors, PVC insulated, PVC sheathed. Grey. 300/500 volts grade, generally to BS EN 50525-2-51, BS 6500.

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YY2X0/5	2	0.5	15/0.198	5.7	8.4	33.1
YY3X0/5	3	0.5	15/0.198	6	12.7	42.5
YY4X0/5	4	0.5	15/0.198	6.7	16.9	55.8
YY5X0/5	5	0.5	15/0.198	7.4	21.1	66.5
YY6X0/5	6	0.5	15/0.198	8.2	25.3	81
YY7X0/5	7	0.5	15/0.198	8.2	29.5	89.4
YY8X0/5	8	0.5	15/0.198	8.8	33.8	100.5
YY10X0/5	10	0.5	15/0.198	10.5	42.2	128.4
YY12X0/5	12	0.5	15/0.198	11.1	50.6	151.8
YY14X0/5	14	0.5	15/0.198	11.6	59.1	171.4
YY18X0/5	18	0.5	15/0.198	13.1	75.9	217.4
YY19X0/5	19	0.5	15/0.198	13.1	80.2	225.8
YY21X0/5	21	0.5	15/0.198	13.4	88.6	244.3
YY24X0/5	24	0.5	15/0.198	15.2	101.3	279.6
YY25X0/5	25	0.5	15/0.198	15.5	105.5	289.8
YY27X0/5	27	0.5	15/0.198	15.9	113.9	321.3
YY30X0/5	30	0.5	15/0.198	16.5	126.6	350.1
YY34X0/5	34	0.5	15/0.198	17.7	143.5	391.7
YY36X0/5	36	0.5	15/0.198	17.9	151.9	416.8
YY37X0/5	37	0.5	15/0.198	18	156.1	427
YY40X0/5	40	0.5	15/0.198	18.6	168.8	458.7
YY42X0/5	42	0.5	15/0.198	20.2	177.2	491.2
YY44X0/5	44	0.5	15/0.198	20.2	185.6	507.9
YY48X0/5	48	0.5	15/0.198	18.8	202.5	460.9
YY50X0/5	50	0.5	15/0.198	21.3	211	575
YY52X0/5	52	0.5	15/0.198	21.3	219.4	591.7
YY60X0/5	60	0.5	15/0.198	22.8	253.2	679.3
YY61X0/5	61	0.5	15/0.198	22.8	257.4	687.6
YY2X0/75	2	0.75	23/0.198	6.4	12.9	43.6
YY3X0/75	3	0.75	23/0.198	6.7	19.4	56.3
YY4X0/75	4	0.75	23/0.198	7.4	25.9	69.9
YY5X0/75	5	0.75	23/0.198	8.2	32.3	87.6
YY6X0/75	6	0.75	23/0.198	9	38.8	102

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YY7X0/75	7	0.75	23/0.198	9.2	45.3	117.6
YY8X0/75	8	0.75	23/0.198	9.9	51.8	132.2
YY9X0/75	9	0.75	23/0.198	10.8	58.2	148
YY10X0/75	10	0.75	23/0.198	11.6	64.7	162.7
YY12X0/75	12	0.75	23/0.198	12.1	77.6	192.7
YY14X0/75	14	0.75	23/0.198	12.7	90.6	218.5
YY15X0/75	15	0.75	23/0.198	13.4	97	233.4
YY18X0/75	18	0.75	23/0.198	14.5	116.5	284.5
YY19X0/75	19	0.75	23/0.198	14.5	122.9	295.8
YY20X0/75	20	0.75	23/0.198	14.9	129.4	309.4
YY21X0/75	21	0.75	23/0.198	15.1	135.9	327.7
YY24X0/75	24	0.75	23/0.198	17.1	155.3	375
YY25X0/75	25	0.75	23/0.198	17.5	161.7	388.7
YY27X0/75	27	0.75	23/0.198	17.7	174.7	420.8
YY30X0/75	30	0.75	23/0.198	18.4	194.1	461
YY32X0/75	32	0.75	23/0.198	19.1	207	490.7
YY34X0/75	34	0.75	23/0.198	19.9	220	520.9
YY36X0/75	36	0.75	23/0.198	19.9	232.9	544.9
YY37X0/75	37	0.75	23/0.198	19.9	239.4	554.9
YY41X0/75	41	0.75	23/0.198	22.4	265.3	626.7
YY42X0/75	42	0.75	23/0.198	22.4	271.7	638
YY44X0/75	44	0.75	23/0.198	22.4	284.7	660.6
YY48X0/75	48	0.75	23/0.198	23.1	310.5	722.9
YY50X0/75	50	0.75	23/0.198	23.7	323.5	750.8
YY52X0/75	52	0.75	23/0.198	23.7	336.4	773.4
YY60X0/75	60	0.75	23/0.198	25.5	388.2	899.5
YY61X0/75	61	0.75	23/0.198	25.5	394.6	910.8
YY2X1	2	1	30/0.198	6.5	16.9	48.6
YY3X1	3	1	30/0.198	7	25.3	64.5
YY4X1	4	1	30/0.198	7.6	33.8	79.4
YY5X1	5	1	30/0.198	8.5	42.2	99.5
YY6X1	6	1	30/0.198	9.4	50.6	120.6
YY7X1	7	1	30/0.198	9.4	59.1	134.1
YY8X1	8	1	30/0.198	10.2	67.5	151
YY9X1	9	1	30/0.198	11.3	75.9	174.5
YY10X1	10	1	30/0.198	12.1	84.4	191.8
YY12X1	12	1	30/0.198	12.7	101.3	226.7
YY14X1	14	1	30/0.198	13.3	118.1	257.3
YY16X1	16	1	30/0.198	14	135	288.3
YY18X1	18	1	30/0.198	14.9	151.9	326.4
YY19X1	19	1	30/0.198	14.9	160.3	339.9
YY20X1	20	1	30/0.198	15.3	168.8	355.8
YY21X1	21	1	30/0.198	15.3	177.2	369.3
YY24X1	24	1	30/0.198	17.6	202.5	430.8

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YY25X1	25	1	30/0.198	18	211	446.8
YY27X1	27	1	30/0.198	18.3	227.8	485
YY30X1	30	1	30/0.198	19	253.2	536.2
YY34X1	34	1	30/0.198	20.5	286.9	601.1
YY36X1	36	1	30/0.198	20.7	303.8	637.8
YY37X1	37	1	30/0.198	20.7	312.2	651.3
YY41X1	41	1	30/0.198	23.1	346	724.1
YY42X1	42	1	30/0.198	23.4	354.4	749.5
YY44X1	44	1	30/0.198	23.4	371.3	776.5
YY48X1	48	1	30/0.198	23.9	405.1	844.9
YY50X1	50	1	30/0.198	24.6	421.9	877.7
YY52X1	52	1	30/0.198	24.6	438.8	904.7
YY56X1	56	1	30/0.198	25.5	472.6	976.9
YY60X1	60	1	30/0.198	26.4	506.3	1050.3
YY61X1	61	1	30/0.198	26.4	514.8	1063.8
YY2X1/5	2	1.5	30/0.238	7.5	24.4	63.5
YY3X1/5	3	1.5	30/0.238	8.1	36.6	88.2
YY4X1/5	4	1.5	30/0.238	8.9	48.8	110.6
YY5X1/5	5	1.5	30/0.238	9.9	61	138
YY6X1/5	6	1.5	30/0.238	11	73.2	166.5
YY7X1/5	7	1.5	30/0.238	11.2	85.3	190.9
YY8X1/5	8	1.5	30/0.238	12.1	97.5	215.1
YY9X1/5	9	1.5	30/0.238	13.2	109.7	240.9
YY10X1/5	10	1.5	30/0.238	14.1	121.9	265.1
YY11X1/5	11	1.5	30/0.238	14.6	134.1	286.8
YY12X1/5	12	1.5	30/0.238	14.8	146.3	313
YY14X1/5	14	1.5	30/0.238	15.5	170.7	356
YY16X1/5	16	1.5	30/0.238	16.6	195.1	407.4
YY18X1/5	18	1.5	30/0.238	17.7	219.5	460.8
YY19X1/5	19	1.5	30/0.238	17.7	231.7	480.1
YY20X1/5	20	1.5	30/0.238	18.3	243.8	510
YY21X1/5	21	1.5	30/0.238	18.3	256	529.2
YY24X1/5	24	1.5	30/0.238	21	292.6	615.3
YY25X1/5	25	1.5	30/0.238	21.4	304.8	638.2
YY27X1/5	27	1.5	30/0.238	21.6	329.2	686.7
YY30X1/5	30	1.5	30/0.238	22.4	365.8	750.8
YY32X1/5	32	1.5	30/0.238	23.4	390.2	807.3
YY34X1/5	34	1.5	30/0.238	23.4	414.5	845.8
YY36X1/5	36	1.5	30/0.238	24.5	438.9	903.5
YY37X1/5	37	1.5	30/0.238	24.5	451.1	922.8
YY42X1/5	42	1.5	30/0.238	27.4	512.1	1046.4
YY44X1/5	44	1.5	30/0.238	27.6	536.5	1097.8
YY48X1/5	48	1.5	30/0.238	28.3	585.2	1192.4
YY50X1/5	50	1.5	30/0.238	29	609.6	1238.7

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Continuation of a table

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
YY60X1/5	60	1.5	30/0.238	31.1	731.5	1477.8
YY61X1/5	61	1.5	30/0.238	31.1	743.7	1497
YY2X2/5	2	2.5	50/0.238	9.2	40.6	99.5
YY3X2/5	3	2.5	50/0.238	10	61	137.1
YY4X2/5	4	2.5	50/0.238	10.9	81.3	172.4
YY5X2/5	5	2.5	50/0.238	12.1	101.6	213.8
YY6X2/5	6	2.5	50/0.238	12.1	121.9	244.3
YY7X2/5	7	2.5	50/0.238	13.4	142.2	287.1
YY8X2/5	8	2.5	50/0.238	14.5	162.6	324.1
YY10X2/5	10	2.5	50/0.238	17.2	203.2	408.4
YY12X2/5	12	2.5	50/0.238	18	243.8	483.4
YY14X2/5	14	2.5	50/0.238	19	284.5	553.9
YY16X2/5	16	2.5	50/0.238	20.3	325.1	635.9
YY18X2/5	18	2.5	50/0.238	21.6	365.8	715.5
YY19X2/5	19	2.5	50/0.238	21.6	386.1	746
YY20X2/5	20	2.5	50/0.238	22.4	406.4	791.6
YY21X2/5	21	2.5	50/0.238	22.4	426.7	822
YY24X2/5	24	2.5	50/0.238	25.6	487.7	952.6
YY25X2/5	25	2.5	50/0.238	26.2	508	988.2
YY27X2/5	27	2.5	50/0.238	26.4	548.7	1061.4
YY30X2/5	30	2.5	50/0.238	27.5	609.6	1174.9
YY34X2/5	34	2.5	50/0.238	29.6	690.9	1318.4
YY36X2/5	36	2.5	50/0.238	29.8	731.5	1393.3
YY37X2/5	37	2.5	50/0.238	29.8	751.9	1423.7
YY40X2/5	40	2.5	50/0.238	33.4	812.8	1554
YY42X2/5	42	2.5	50/0.238	33.4	853.5	1614.9
YY48X2/5	48	2.5	50/0.238	34.2	995.7	1849.9
YY50X2/5	50	2.5	50/0.238	35.1	1016	1890.9
YY60X2/5	60	2.5	50/0.238	37.2	1219.2	2219.1
YY61X2/5	61	2.5	50/0.238	37.2	1239.6	2249.5

Temperature limits.....-15 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....6 x overall diameter
Colors available: Grey.
Core Identification:
- 2 cores: Black with white numbers
- 3 cores and more: Green/Yellow and black with white numbers

Also available with colored cores as follows:
- 2 cores: Brown – Blue
- 3 cores: Green/Yellow – Brown – Blue
- 4 cores: Green/Yellow – Grey – Black – Brown
- 5 cores: Green/Yellow – Grey – Black – Brown – Blue
- 7 cores: Green/Yellow – Grey – Black – Brown – Blue – Red - Purple

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H05V-K PVC

Flexible plain annealed copper conductor, PVC outer sheath. Manufactured to EN 50525-2-31, BS 6004:2012. 300/500 volts grade to BS EN 50525-2-3. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H05VK0/5	0.5	15/0.198	2.1	4.2	8.2
H05VK0/75	0.75	23/0.198	2.4	6.4	11.1
H05VK1	1	30/0.198	2.5	8.9	13.9

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H07V-K PVC

Flexible plain annealed copper conductor, PVC outer sheath. Manufactured to EN 50525-2-31, BS 6004:2012. 450/750 volts. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H07VK1/5	1.5	30/0.238	3	12.0	19.2
H07VK2/5	2.5	50/0.238	3.6	19.6	30
H07VK4	4	56/0.3	4.2	31.8	43.9
H07VK6	6	74/0.3	5	47.1	62.8
H07VK10	10	73/0.4	6.5	82.7	108.2
H07VK16	16	119/0.4	8	133	167.1
H07VK25	25	182/0.4	9.9	207	261.7
H07VK35	35	252/0.4	10.9	286	339
H07VK50	50	371/0.4	13.3	414	496.8
H07VK70	70	342/0.5	15.3	597	694.3
H07VK95	95	456/0.5	17.3	789	935.5
H07VK120	120	589/0.5	19.7	1012	1148
H07VK150	150	740/0.5	21.6	1240	1407
H07VK185	185	834/0.5	23.3	1500	1700
H07VK240	240	1147/0.5	27.2	2002	2260

Temperature limits.....-15 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....4 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H03VV-F (218*Y) PVC FLEXIBLE CORDS

Plain annealed flexible copper conductors to IEC 60228, PVC insulated, PVC outer sheath. Manufactured to EN50525-2-11. 300 volts. Flame propagation to IEC 60332-1-2. EN 50265-2-1

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H03VVF2X0/5	2	0.5	15/0.198	5.0	8.4	35.3
H03VVF2X0/75	2	0.75	23/0.198	5.5	12.9	44.6
H03VVF3X0/5	3	0.5	15/0.198	5.3	12.7	42.0
H03VVF3X0/75	3	0.75	23/0.198	5.9	19.4	53.8
H03VVF4X0/5	4	0.5	15/0.198	5.8	16.9	52.0
H03VVF4X0/75	4	0.75	23/0.198	6.4	25.9	67.0

Temperature limits.....-15 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....3 x overall diameter
Colors available: White, Black or Grey.
Core Identification:
• 2 cores: Brown - Blue;
• 3 cores : Green/Yellow – Brown – Blue;
• 4 cores : Green/Yellow – Grey – Black – Brown

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H05VV-F (318*X) PVC FLEXIBLE CORDS

Plain annealed flexible copper conductors to IEC 60228, PVC insulated, PVC outer sheath. Manufactured to EN50525-2-11. 300/500 volts. Flame propagation to IEC 60332-1-2, EN 50265-2-1

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H05VVF2X0/75	2	0.75	23/0.198	6.34	12.9	55.33
H05VVF2X1	2	1	30/0.198	6.60	16.9	63.48
H05VVF2X1/5	2	1.5	30/0.238	7.60	24.4	86.49
H05VVF2X2/5	2	2.5	50/0.238	9.20	40.6	128.01
H05VVF2X4	2	4	5/0.3	10.6	64.0	179.0
H05VVF3X0/75	3	0.75	23/0.198	6.70	19.4	65.63
H05VVF3X1	3	1	30/0.198	6.99	25.3	76.49
H05VVF3X1/5	3	1.5	30/0.238	8.26	36.6	108.93
H05VVF3X2/5	3	2.5	50/0.238	9.95	61.0	160.47
H05VVF3X4	3	4	5/0.3	11.2	96.9	221.0
H05VVF4X0/75	4	0.75	23/0.198	7.32	25.9	80.33
H05VVF4X1	4	1	30/0.198	7.84	33.8	97.83
H05VVF4X1/5	4	1.5	30/0.238	9.24	48.8	138.90
H05VVF4X2/5	4	2.5	50/0.238	10.89	81.3	198.66
H05VVF4X4	4	4	5/0.3	12.5	129.1	282.0
H05VVF5X0/75	5	0.75	23/0.198	8.20	32.3	100.67
H05VVF5X1	5	1	30/0.198	8.55	42.2	118.18
H05VVF5X1/5	5	1.5	30/0.238	10.30	61.0	172.86
H05VVF5X2/5	5	2.5	50/0.238	12.12	101.6	246.79
H05VVF5X4	5	4	5/0.3	14.14	161.4	356.0

Temperature limits.....-15 °C to +70 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+150 °C
Bending radius.....3 x overall diameter
Colors available: White, Black or Grey.
Core Identification:
• 2 cores: Brown - Blue;
• 3 cores: Green/Yellow – Brown – Blue;
• 4 cores: Green/Yellow – Grey – Black – Brown;
• 5 cores: Green/Yellow – Grey – Black – Brown – Blue.

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

H05V2-K/H07V2-K

Plain annealed stranded circular copper conductor, PVC outer sheath. Manufactured to EN 50525-2-31. H05V2-K 300/500 volts and H07V2-K 450/750 volts. Flame propagation to, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
H05V2K0/5	0.5	15/0.198	2.12	4.2	8.3
H05V2K0/75	0.75	23/0.198	2.4	6.4	11.2
H05V2K1	1	30/0.198	2.5	8.9	13.5
H07V2K1/5	1.5	30/0.238	3.0	12.0	19.2
H07V2K2/5	2.5	50/0.238	3.6	19.6	30.1
H07V2K4	4	50/0.3	4.2	31.8	43.9
H07V2K6	6	74/0.3	5.0	47.1	62.8
H07V2K10	10	73/0.4	6.5	82.7	108.1
H07V2K16	16	119/0.4	8.0	133	166.7
H07V2K25	25	182/0.4	9.9	207	261.0
H07V2K35	35	252/0.4	10.9	286	337.8

Temperature limits.....-30 °C to +90 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+160 °C
Bending radius.....6 x overall diameter
Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

TRI-RATED CABLE

Plain annealed stranded circular copper conductor, high temperature PVC outer sheath. Manufactured to BS 6231, UL 758, CSA 22.2. UL, CSA - 450 / 750 volts, and BS 6231 - 600/1000 volts. Flame propagation to BS EN 50265-2-1, IEC 60332-1-2.

ECG Code	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
Tri rated10	10	73/0.4	6.5	82.6	106.9
Tri rated16	16	119/0.4	8	133.0	165.3
Tri rated25	25	182/0.4	9.9	207	258.8
Tri rated35	35	252/0.4	10.9	286	335.3
Tri rated50	50	371/0.4	13.3	414	491.4
Tri rated70	70	342/0.5	15.3	597	686.9
Tri rated95	95	456/0.5	17.3	789	925.4
Tri rated120	120	589/0.5	19.7	1012	1161.9
Tri rated150	150	740/0.5	21.6	1240	1456.4
Tri rated185	185	834/0.5	23.3	1500	1682.3
Tri rated240	240	1147/0.5	27.2	2002	2268.0

Temperature limits.....-30 °C to +105 °C
Max. temperature of conductor.....+90 °C
Short-circuit temperature.....+160 °C
Bending radius.....6 x overall diameter
Standard colors available:
Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

NYIFY-F PVC FLAT FLEXIBLE CABLE

Plain annealed flexible copper conductor, PVC insulated, PVC outer sheathed, 300/500 volts. Flame propagation to IEC 60332-1-2.

ECG Code	Number of cores	Conductor Size, (mm^2)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYIFYF2X1/5	2	1.5	30/0.238	4.0x12.5	24.0	63.5
NYIFYF2X2/5	2	2.5	50/0.238	5.2x13.5	40.0	92.5
NYIFYF2X4	2	4	50/0.3	6.0x15.5	63.6	123.3
NYIFYF3X1/5	3	1.5	30/0.238	4.0x19.0	36.0	95.3

Temperature limits.....-30 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius.....8 x overall diameter
Colors available: White.
Core Identification:
• 2 cores: Brown – Blue;
• 3 cores : Brown – Black – Grey

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

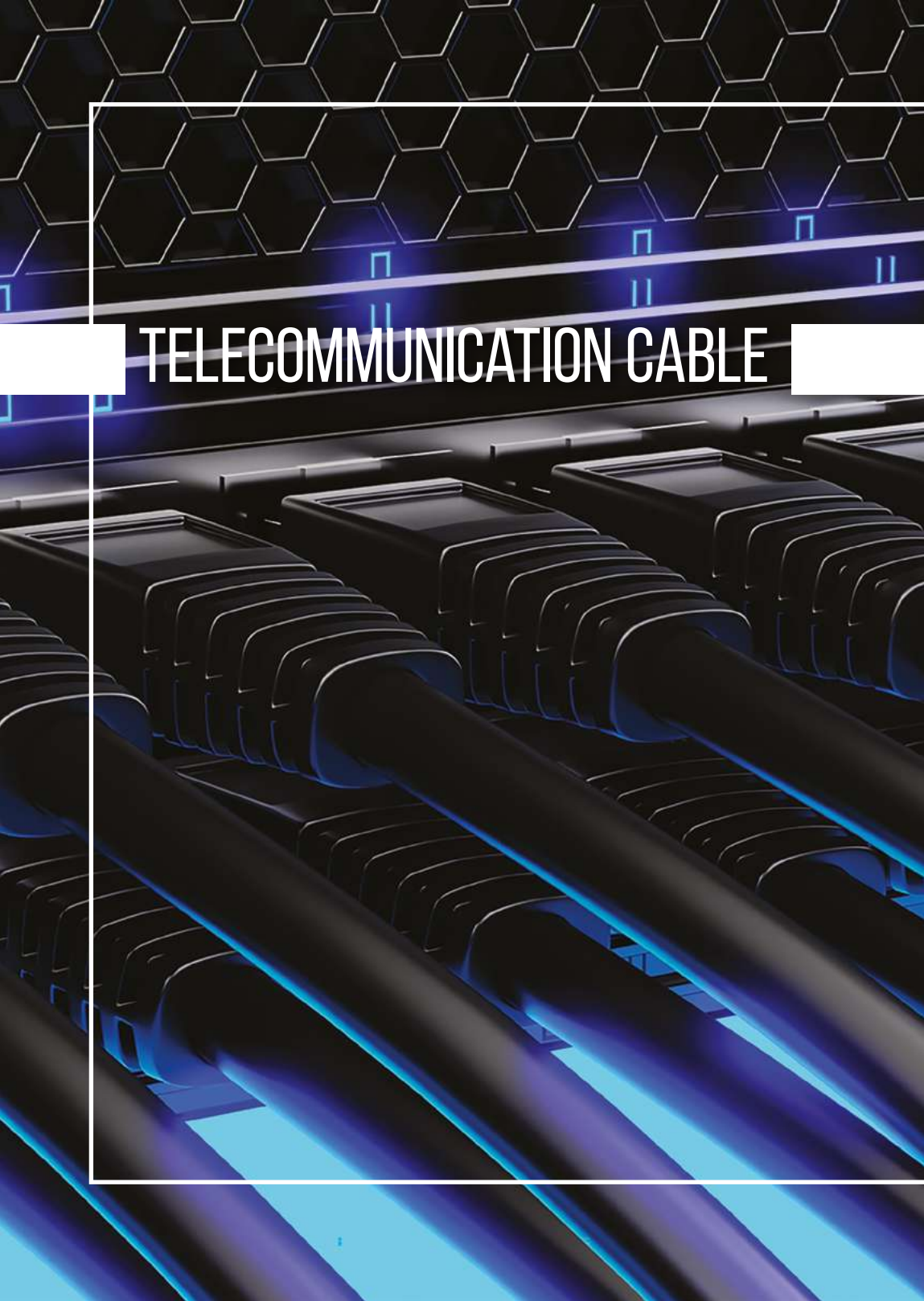
SPEAKER CABLE

2 parallel laid plain annealed copper conductors to IEC 60228 class 5, PVC insulated. 50/80 volts.
Flame propagation to IEC60332-1-2.

ECG Code	Number of cores	Conductor Size, (mm²)	Stranding*	Overall Diameter (mm) approx.	Cu Weight (Kg/km) approx.	Cable Weight (Kg/km) approx.
NYFAZ2X0/75	2	0.75	23x0,198	2.5 x 5.2	12.6	23.2
NYFAZ2X1	2	1	30x0,198	2.6 x 5.4	16.4	27.8
NYFAZ2X1/5	2	1.5	30x0,238	2.9 x 6.0	24.0	36.7
NYFAZ2X2/5	2	2.5	50x0,238	3.6 x 7.4	40.0	57.5
NYFAZ2X4	2	4	50x0,3	4.1 x 8.4	63.6	84.7
NYFAZ2X6	2	6	74x0,3	4.7 x 9.5	93.0	121.9

Temperature range during installation.....-5 to +70 °C
Temperature range fixed installed.....-30 to +70°C
Max. temperature of conductor.....+70 °C
Bending radius.....12 x overall diameter
Standard colors available: transparent, black, one conductor marked with longitudinal red line

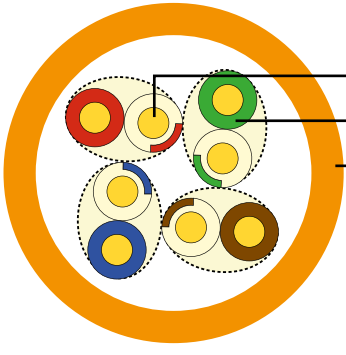
**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*


TELECOMMUNICATION CABLE

CAT. 5e U/UTP 4X2X24 AWG
CAT. 5e U/UTP 4X2X24 AWG LSZH
CAT. 5e U/UTP 4X2X24 AWG PE

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 100 MHz, 1.0 Gbit/s 1 Gigabit Ethernet.

CONSTRUCTION

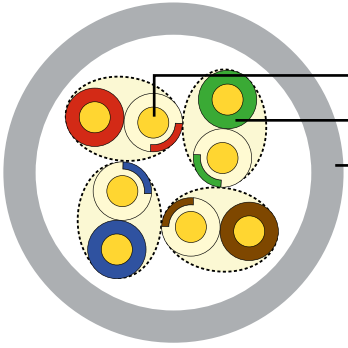


- **Conductive core**:
  24 AWG copper soft wire
- **Insulation:** HDPE in compliance with TIA 568 insulation colour coding
- **Outer shell**:
  PVC – polyvinyl chloride plastic RAL 7001 grey, TM51 70°C
  LSZH – halogen-free compound RAL 2003 orange, 70°C
  PE – light-stabilized polyethylene RAL 9011 black, 80°C

CAT. 5e U/UTP 4X2X0,48

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 100 MHz, 1.0 Gbit/s 1 Gigabit Ethernet.

CONSTRUCTION

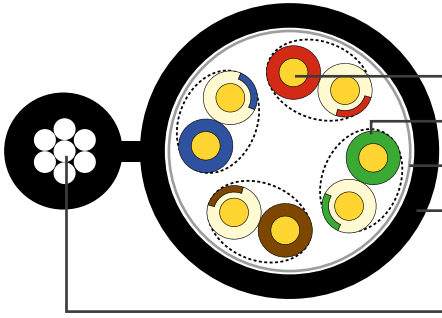


Conductive core:
0,48 mm copper soft wire
Insulation: HDPE in compliance with TIA 568 insulation colour coding
Outer shell:
LSZH/LS0H – RAL 2003 Orange
PVC – RAL 7001 Grey
PE – RAL 9011 Black

CAT. 5e U/UTP PE 4X2X24 AWG WITH STEEL MESSENGER

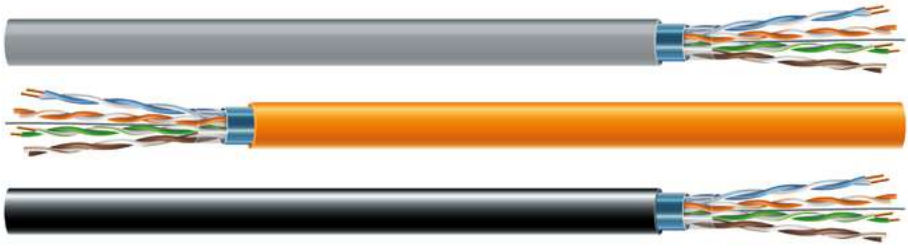
Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 5e U/UTP 4x2x24AWG PE with steel messenger** is designed for structured cabling networks with external laying on overhead lines. This cable type can operate at frequencies up to 100 MHz.

CONSTRUCTION



- **Conductive core**: 24 AWG copper soft wire
- **Insulation**: HDPE polyethylene, colored marking of insulation
- **PET tape**
- **Steel cable**: 7x0.5 mm
- **Outer shell**:

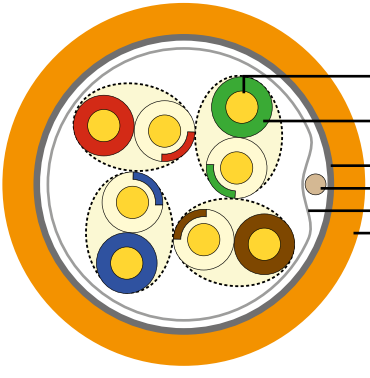
PE – light-stabilized polyethylene RAL 9011 black, 80°C



CAT. 5e F/UTP 4X2X24 AWG
CAT. 5e F/UTP 4X2X24 AWG LSZH
CAT. 5e F/UTP 4X2X24 AWG PE

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 100 MHz, 1.0 Gbit/s 1 Gigabit Ethernet.

CONSTRUCTION



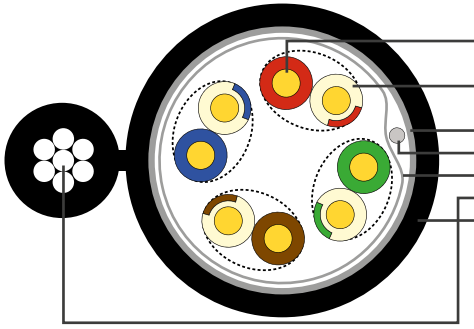
- **Conductive core**: 24 AWG copper soft wire
- **Insulation**: HDPE in compliance with TIA 568 insulation colour coding
- **Screen**: Pet tape min. 100% coverage
- A **tinned copper drain wire**, Ø 26AWG
- **PET tape** min. 100% coverage
- **Sheath**:

LSZH/LS0H – RAL 2003 Orange
PVC – RAL 7001 Grey
PE – RAL 9011 Black

CAT. 5e F/UTP PE 4X2X24 AWG WITH STEEL MESSENGER

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 5e F/UTP 4x2x24AWG PE with steel messenger** is designed for structured cabling networks with external laying on overhead lines. This cable type can operate at frequencies up to 100 MHz in conditions of increased electromagnetic action.

CONSTRUCTION

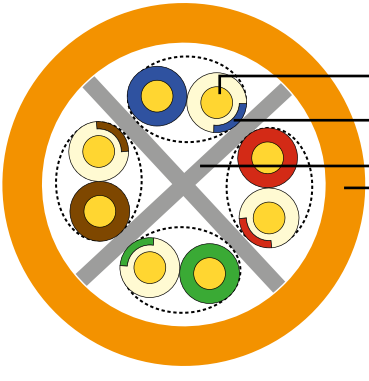


- **Conductive core**: 24 AWG copper soft wire
- **Insulation**: HDPE in compliance with TIA 568 insulation colour coding
- **Screen**: Pet tape min. 100% coverage
- A **tinned copper drain wire**, Ø 26AWG
- **PET tape** min. 100% coverage
- **Steel cable**: 7x0.5 mm
- **Sheath**:
  LSZH/LS0H – RAL 2003 Orange
  PVC – RAL 7001 Grey
  PE – RAL 9011 Black

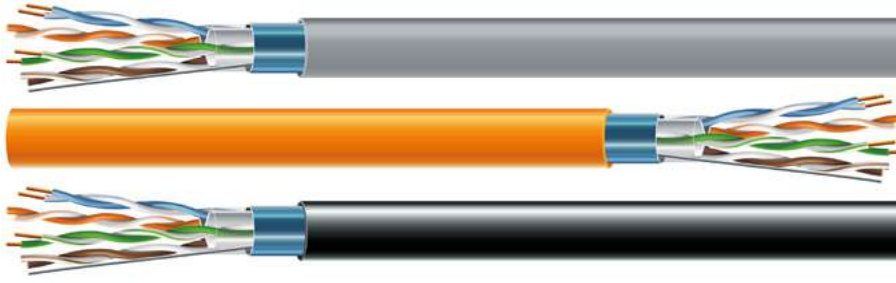
CAT. 6 U/UTP 4X2X23 AWG
CAT. 6 U/UTP 4X2X23 AWG LSZH
CAT. 6 U/UTP 4X2X23 AWG PE

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 250 MHz, 1 Gbit/s 1 Gigabit Ethernet.

CONSTRUCTION



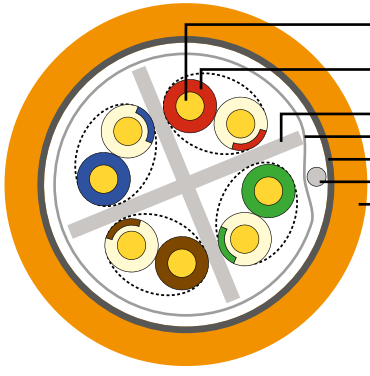
Conductive core:
23 AWG copper soft wire
Insulation: HDPE polyethylene, colored marking of insulation
Cross divider
Outer shell:
PVC – polyvinyl chloride plastic RAL 7001 grey, TM51 70°C
LSZH – halogen-free compound RAL 2003 orange, 70°C
PE – light-stabilized polyethylene RAL 9011 black, 80°C



CAT. 6 F/UTP 4X2X23 AWG
CAT. 6 F/UTP 4X2X23 AWG LSZH
CAT. 6 F/UTP 4X2X23 AWG PE

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 6 F/UTP 4x2x23AWG** is designed for structured cabling networks with single laying inside buildings, constructions and equipment. This cable type can operate at frequencies up to 250 MHz in conditions of increased electromagnetic action;
· Type **Cat. 6 F/UTP 4x2x23AWG LSZH** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 250 MHz in conditions of increased electromagnetic action and where low smoke emission is required;
· Type **Cat. 6 F/UTP 4x2x23AWG PE** is designed for structured cabling networks with external laying along the walls of buildings, constructions, in mines and collectors. This cable type can operate at frequencies up to 250 MHz in conditions of increased electromagnetic action.

CONSTRUCTION

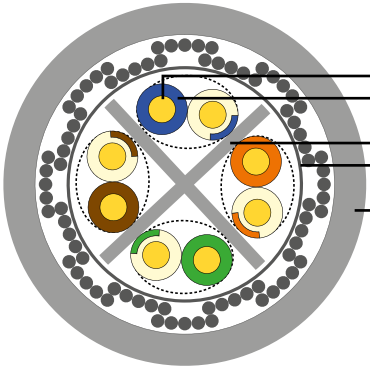


Conductive core:
23 AWG copper soft wire
Insulation: HDPE polyethylene, colored marking of insulation
Cross divider
PET tape
Shield: alumopolymer tape.
A **tinned copper drain wire**, Ø 26AWG
Outer shell:
PVC – polyvinyl chloride plastic RAL 7001 grey, TM51 70°C
LSZH – halogen-free compound RAL 2003 orange, 70°C
PE – light-stabilized polyethylene RAL 9011 black, 80°C

CAT. 6 SF/UTP 4X2X23 AWG
CAT. 6 SF/UTP 4X2X23 AWG LSZH

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 6 SF/UTP 4x2x23 AWG** is designed for structured cabling networks with single laying inside buildings, constructions and equipment. This cable type can operate at frequencies up to 250 MHz in conditions of increased electromagnetic action.
· Type **Cat. 6 SF/UTP 4x2x23AWG LSZH** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 250 MHz in conditions of increased electromagnetic action and where low smoke emission is required.

CONSTRUCTION

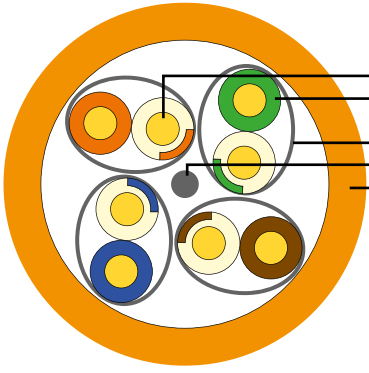


Conductive core: 23 AWG copper soft wire
Insulation: HDPE polyethylene, colored marking of insulation
Cross divider
Shield: alumopolymer tape. A tinned copper braid is laid on top of the tape
Outer shell:
PVC – polyvinyl chloride plastic RAL 7001 grey, TM51 70°C
LSZH – halogen-free compound RAL 2003 orange, 70°C

CAT. 6A U/FTP 4X2X23 AWG LSZH

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 6A U/FTP 4x2x23AWG LSZH** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 500 MHz in conditions of increased electromagnetic action and where low smoke emission is required.

CONSTRUCTION

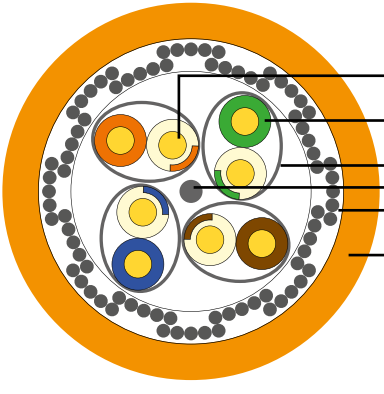


Conductive core: 23 AWG copper soft wire
Insulation: HDPE polyethylene, colored marking of insulation
Shield: alumopolymer tape
A tinned copper wire – Ø 26 AWG
Outer shell:
LSZH – halogen-free compound RAL 2003 orange, 70°C

CAT. 7 S/FTP 4X2X23 AWG LSZH

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 7 S/FTP 4x2x23 AWG LSZH** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 600 MHz in conditions of increased electromagnetic action and where low smoke emission is required.

CONSTRUCTION

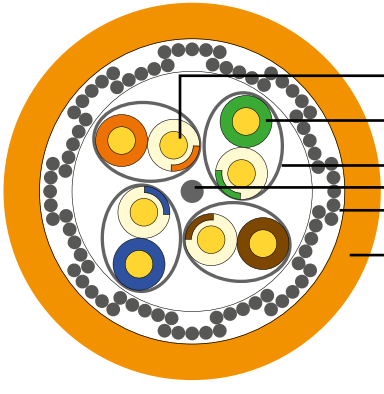


- **Conductive core**: 23 AWG copper soft wire
- **Insulation**: PE foam, colored marking of insulation
- **Shield**: aluminopolymer tape
- **A tinned copper contact wire** – Ø 26 AWG
- **Shield** is in the form of tinned copper braiding
- **Outer shell:**
  LSZH – halogen-free compound RAL 2003 orange, 70°C

CAT. 7A S/FTP 4X2X23 AWG LSZH

Multicore and symmetrical twisted pair cable for digital communications:
· Type **Cat. 7A S/FTP 4x2x23 AWG LSZH** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 1000 MHz in conditions of increased electromagnetic action and where low smoke emission is required.

CONSTRUCTION



- **Conductive core**: 23 AWG copper soft wire
- **Insulation**: PE foam, colored marking of insulation
- **Shield**: aluminopolymer tape
- **A tinned copper contact wire** – Ø 26 AWG
- **Shield** is in the form of tinned copper braiding
- **Outer shell:**
  LSZH – halogen-free compound RAL 2003 orange, 70°C

BARE COPPER PRODUCTS

BARE COPPER STRAND

Stranded plain circular copper conductor, hard/soft, compacted/uncompacted, non insulated, non sheathed. Soft drawn conductor according to BS EN 60228.
Hard drawn conductor according to BS 7884.

Copper hard drawn stranded conductor, uncompacted class 2 BS 7884

Cross-section mm²	Construction	External diameter mm approx	Cross-section, theoretical* mm²	Cu weidht kg/km max	Resistance at 20 °C, max Ω/km
16	7x1.7	5.1	15.9	142.4	1.154
25	7x2.1	6.3	24.2	217.3	0.7563
35	7x2.5	7.5	34.3	308.0	0.5337
50	7x3.0	9.0	49.5	443.5	0.3706
70	7x3.55	10.65	69.3	621.1	0.2646
95	19x2.5	12.5	93.2	840.7	0.1980
120	19x2.8	14.0	116.9	1055.0	0.1578
150	37x2.25	15.75	147.0	1334	0.1264
185	37x2.5	17.5	181.5	1647	0.1024

Copper stranded conductor annealed, compacted class 2 EN 60228:2005

Cross-section mm²	Construction	External diameter, mm		Resistance at 20 °C, max Ω/km	Cu weidht kg/km max
		min	max		
10	7x1.34	3.6	4.0	1.83	89
16	7x1.69	4.6	5.2	1.15	141
25	7x2.12	5.6	6.5	0.727	217
35	7x2.5	6.6	7.5	0.524	308
50	19x1.78	7.7	8.6	0.387	418
70	19x2.14	9.3	10.2	0.268	613
95	19x2.5	11.0	12.0	0.193	829
120	37x2.03	12.3	13.5	0.153	1045
150	37x2.21	13.7	15.0	0.124	1275
185	37x2.5	15.3	16.8	0.0991	1613
240	37x2.82	17.6	19.2	0.0754	2075

Copper stranded conductor annealed, uncompacted class 2 EN 60228:2005

Cross-section mm^2	Construction	External diameter, mm		Resistance at 20 °C, max Ω/km	Cu weidht kg/km max
		nom	max		
10	7x1.34	4.02	4.20	1.83	89
16	7x1.69	5.07	5.30	1.15	141
25	7x2.12	6.30	6.60	0.727	218
35	7x2.5	7.47	7.90	0.524	308
50	19x1.78	8.90	9.10	0.387	427
70	19x2.14	10.70	11.00	0.268	617
95	19x2.5	12.40	12.90	0.193	829
120	37x2.03	14.07	14.50	0.153	1060
150	37x2.21	15.47	16.20	0.124	1288
185	37x2.5	17.36	18.00	0.0991	1622
240	37x2.82	19.74	20.60	0.0754	2097
300	61x2.52	22.68	23.1	0.0601	2760
400	61x2.82	25.4	26.1	0.047	3457
500	61x3.2	28.8	29.2	0.0366	4451
630	91x2.95	32.5	33.2	0.0283	5644
800	91x3.3	36.3	37.6	0.0221	7070
1000	127x3.15	41.0	42.2	0.0176	8985

FLEXIBLE BARE COPPER STRAND

Flexible bare copper conductor, Class 5 and 6, according to EN 60228:2005.

Copper stranded conductor annealed, class 5 EN 60228:2005

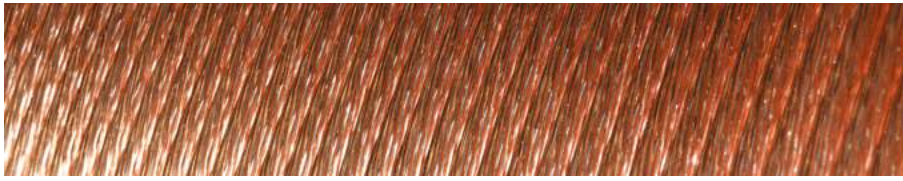
Cross-section mm²	Construction*	External diameter, mm		Resistance at 20 °C, max Ω/km	Cu weidht kg/km max
		nom	max		
0.5	15x0.198	0,92	1,1	39	4,2
0.75	23x0.198	1,15	1,3	26	6,4
1.0	30x0.198	1,3	1,5	19,5	8,3
1.5	30x0.238	1,55	1,8	13,3	12,1
2.5	50x0.238	2	2,4	7,98	20,2
4	50x0.3	2,6	3	4,95	32
6	74x0.3	3,1	3,9	3,3	48,6
10	73x0.4	4	5,1	1,91	83,6
16	117x0.4	5,15	6,3	1,21	136
25	7x26x0.4	7,2	7,8	0,78	215
35	7x36x0.4	8,5	9,2	0,554	290
50	19x20x0.4	10	11	0,386	431
70	19x18x0.5	11,3	13,1	0,272	608
95	19x24x0.5	13,5	15,1	0,206	810
120	19x30x0.5	15,1	17	0,161	1015
150	37x20x0.5	17,5	19	0,129	1297
185	37x24x0.5	18,8	21	0,106	1552
240	37x32x0,5	22,3	24	0,0801	2109
300	61x24x0,5	26	27	0,0641	2560
400	61x31x0,5	28,6	31	0,0486	3370

**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*

Copper stranded conductor annealed, class 6 EN 60228:2005

ECG Code	Conductor Size, (mm^2)	Stranding*	Nominal overall diameter (mm)	Cu Weight (Kg/Km)
BC6-06	6	168/0.2	3.6	47.9
BC6-10	10	294/0.2	4.8	83.8
BC6-16	16	476/0.2	6.1	135.7
BC6-25	25	760/0.2	7.8	216.7
BC6-35	35	1010/0.2	8.7	287.9
BC6-50	50	665/0.3	10.5	427
BC6-70	70	950/0.3	12.6	609
BC6-95	95	1292/0.3	15.3	829
BC6-120	120	1636/0.3	17.1	1049
BC6-150	150	2072/0.3	18.3	1329
BC6-185	185	1369/0.4	19.6	1561
BC6-240	240	1850/0.4	23.6	2109
BC6-300	300	2257/0.4	25.2	2573

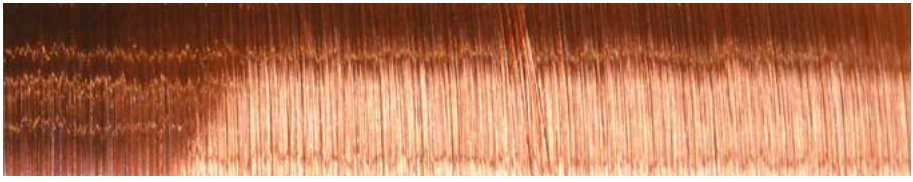
**The number of wires, as well as their diameter in the core, may differ from specified, subject to complience with the requirements for electrical resistance.*



COPPER CONDUCTORS FOR CABLE PRODUCTION

All conductors are manufactured from oxygen-free high purity copper. All conductors correspond of the standard EN 60228.
Copper conductors 1 – 6 flexibility class are manufactured from copper wires of own production, cross sections from 0,5 mm² to 1000 mm² with direction of stranding in accordance with customer demands. Construction of conductor can be agreed with customer and can be in range from 6 wires to 3913 wires. All conductors of 2nd class flexibility with cross-section more than 50 mm² and higher are compacted.

Conductors delivered on:
- Drum № 560 wooden
- Drum № 1250 - metal and wooden
- Drum № 630 - metal and plywood
- Drums № 5 - № 20 wooden



DRAWN COPPER WIRES

Round electrotechnical, grade MM from oxygen-free copper wire, diameters available:
- from 0,198 to 0,57 mm, delivered not stranded (wires laid parallel) in amount from 6 to 16 wires on metal drums № 630.
- from 1,14 to 3,56 mm, delivered in cardboard-containers, plywood drums № 630, metal drums № 630.

Technical specification:

Nominal diameter, mm	Limit deviation, mm	Elongation ratio, %
from 0,15 to 0,2 mm	± 0,003 mm	not less 19%
from 0,2 to 0,3 mm	± 0,005 mm	not less 20%
from 0,3 to 0,4 mm	± 0,007 mm	not less 20%
from 0,4 to 0,5 mm	± 0,01 mm	not less 20%
from 1,17 to 2,95 mm	± 0,02 mm	not less 30%
from 2,95 to 3,56 mm	± 0,03 mm	not less 30%

Specific electric resistance, not more 0,01724 Ohm x mm^2/m.
All drawn copper wires correspond of the standard EN 13602:2013.

Packing and dimensions:
a) Average net weight of the each container is 1000 kg (for truck shipping), 2000 kg (for container shipping)
b) Packaging in carton container, on wooden pallet

Typical quality data for oxygen-free copper used for wire drawing:

Element	Cu	Bi	Sb	As	P	Pb	S	Sn	Ni	Fe
Fact	99.994	0.0001	0.0002	0.0001	0.0001	0.0006	0.0011	0.0002	0.0003	0.0003
Element	Zn	Ag	O^2	Se	Te	Cr	Mn	Cd	Si	Co
	not more,%			Detected but not be subject to limitation, %						
Fact	0.001	0.0003	0.001	0.0001	0.0002	0.0001	0.0002	0.0006	0.000	0.000

COPPER WIRE OXYGEN-FREE

Manufactured from Grade A copper cathodes, quality corresponds to Cu-OF DSTU:EN 1977:2009, Ø 8 mm and Cu-OF1 DSTU:EN 1977:2009, Ø 8 mm. Perfectly suitable for wire drawing at cable factories.

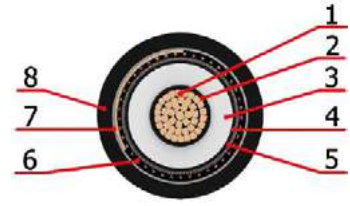
Typical quality data for oxygen-free copper wire Cu-OF DSTU EN 1977:2009

Element	Cu	Bi	Sb	As	P	Pb	S	Sn	Ni	Fe
Fact	99.994	0.0001	0.0002	0.0001	0.0001	0.0006	0.0011	0.0002	0.0003	0.0003
Element	Zn	Ag	O^2	Se	Te	Cr	Mn	Cd	Si	Co
	not more,%			Detected but not be subject to limitation, %						
Fact	0.001	0.0003	0.001	0.0001	0.0002	0.0001	0.0002	0.0006	0.000	0.000

Parameters:	Standard Cu-OF	Standard Cu-OF1	Fact
Diameter of copper wire, mm, not more	(8±0,4)	(8±0,4)	8,024
Ovality, mm, not more	±0,4	±0,4	0,05
Hydrogen embrittlement, number of bends	until break	until break	21
Elongation,%, not less	30	30	41
Specific electrical resistance,Ohm x mm^2/m, not less	0,01724	0,01707	0,01713

Packing and dimensions
a) Packed on a wooden pallet, size 1400 x 1400 x 180 mm (weight 30-50 kg) and bundled with steel stripes onto cardboard strips
b) Size of coil is 1500 x 600 x 450 mm, but may vary depending on weight
c) Approximate coil weight is 3300-3500 kg
d) Coil covered across by PET-film to avoid dirtying

SINGLE-CORE CABLES WITH CROSS-LINKED POLYETHYLENE INSULATION 6-35 KV



N2XSY

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED,
PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

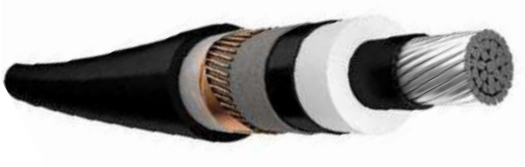
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
• The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
• The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2
2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross- linked polyethylene
5. The separation layer – made of the electrically conductive wa- ter-blocking tape
6. The screen – copper wires fastened with copper tape
• Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2. Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2. Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm 2 is 35 mm^2
• The Minimum cross-section of screen for cables with a con- ductor cross-section of 1200 mm^2 and above is 50 mm^2. The maximum cross-section of screen can be set based on the customer's request
7. The separation layer is made of PETF tape
8. The outer protective shell is made of PVC

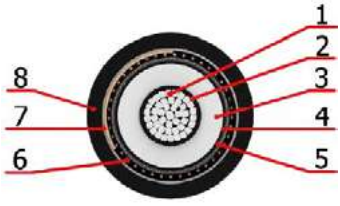
AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD





NA2XSY

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED,
PVC SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-section of a multi-wire compacted round conductor, consisting of 5 sectors is 1000÷1600 mm^2

2. The outer conductor screen - made of extruded semi- conducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross- linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2 Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2 Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- The Minimum cross-section of screen for cables with a con- ductor cross-section of 1200 mm^2 and above is 50 mm^2. The maximum cross-section of screen can be set based on the customer's request.

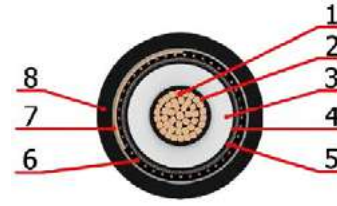
7. The separation layer is made of PETF tape
8. The outer protective shell is made of PVC

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSY-FL

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, FLAME-RETARDANT PVC SHEATHED HIGH VOLTAGE CABLE WITH COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1.The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

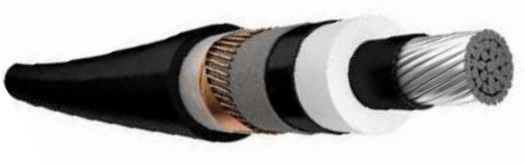
7. The separation layer is made of PETF tape
8. External protective shell is made of flame retardant polyvinyl-chloride

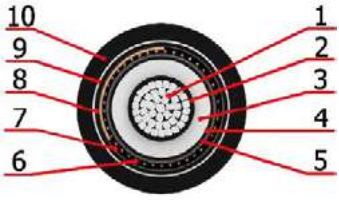
AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD





NA2XSY-FL

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED,
PVC SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request

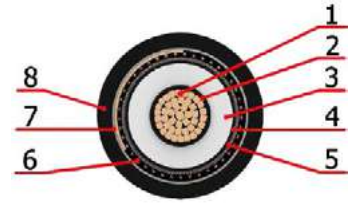
7. The separation layer is made of PETF tape
8. External protective shell is made of flame retardant polyvinyl-chloride

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSY-LS (CAT A)

SINGLE-CORE HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR, CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND FLAME RETARDANT POLYVINYL CHLORIDE SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen - made of extruded semiconducting cross-linked polyethylene
3. Insulation - cross-linked polyethylene
4. Insulation screen - made of extruded semiconducting cross- linked polyethylene
5. The separation layer - made of the electrically conductive water-blocking tape
6. The screen - copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

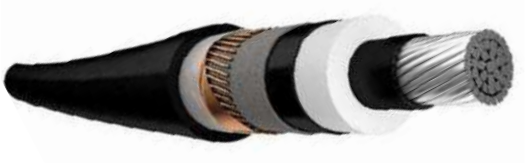
7. Thermal barrier is made of a glass or mica-containing tape, corresponds to category A according to IEC 60332
8. Inner sheath is made of flame retardant polyvinylchloride with low smoke and gas emission
9. Thermal barrier is made of a glass or mica-containing tape, corresponds to category A according to IEC 60332
10. External protective sheath is made of flame retardant polyvinylchloride with low smoke and gas emission

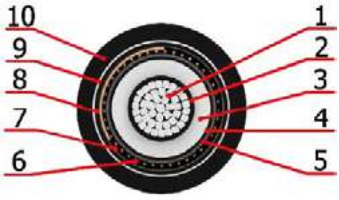
AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD





NA2XSY-LS (CAT A)

SINGLE-CORE HIGH-VOLTAGE CABLE WITH AN ALUMINUM CONDUCTOR, CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND WITH FLAME RETARDANT PVC SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request

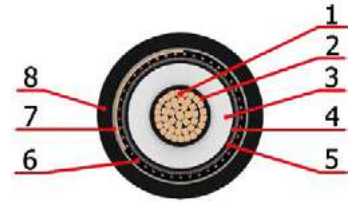
7. Thermal barrier is made of a glass or mica-containing tape, corresponds to category A according to IEC 60332
8. Inner sheath is made of flame retardant polyvinylchloride with low smoke and gas emission
9. Thermal barrier is made of a glass or mica-containing tape, corresponds to category A according to IEC 60332
10. External protective sheath is made of flame retardant polyvinylchloride with low smoke and gas emission

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XS2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

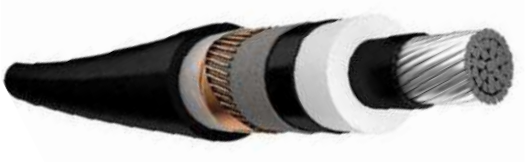
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
· The cross-section of a multi-wire compacted round con- ductor is 25÷1000 mm^2
· The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2
2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape (S)
· Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
· The maximum cross-section of screen can be set based on the customer's request
7. The separation layer is made of PETF tape
8. The outer protective shell is made of polyethylene

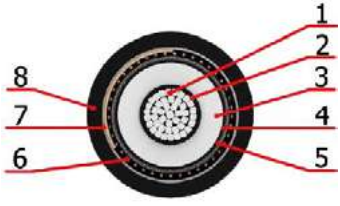
AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD





NA2XS2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

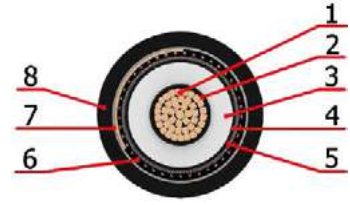
7. The separation layer is made of PETF tape
8. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XS2Yy

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE(PE)

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round con- ductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

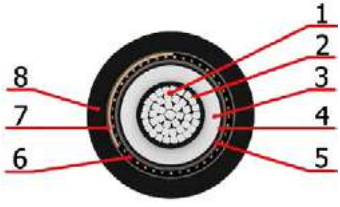
7. The separation layer is made of PETF tape
8. The outer protective shell is made of increased density polyethylene(PE)

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XS2Yy

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE(PE)

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

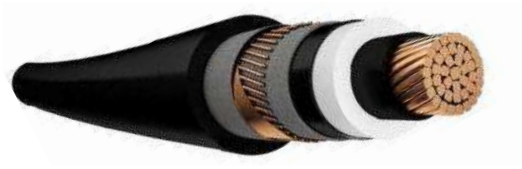
7. The separation layer is made of PETF tape
8. The outer protective shell is made of increased density polyethylene(PE)

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XS(F)2Y

SINGLE-CORE CROSS-LINKED XLPE INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
· The cross-section of a multi-wire compacted round con- ductor is 25÷1000 mm^2
· The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2
2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
· Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
· The maximum cross-section of screen can be set based on the customer's request.
7. The separation layer – made of the electrically conductive water-blocking tape
8. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

NA2XS(F)2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINIUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

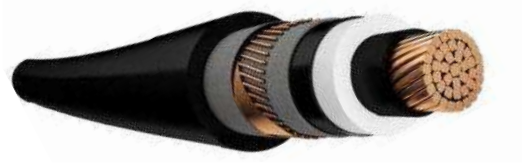
7. The separation layer – made of the electrically conductive water-blocking tape
8. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XS(F)2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round con- ductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. The separation layer – made of the electrically conductive water-blocking tape
8. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). It is allowed to install cables of this brand on complicated cable routes. Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

NA2XS(F)2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. The separation layer – made of the electrically conductive water-blocking tape
8. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). It is allowed to install cables of this brand on complicated cable routes. Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

N2XSH

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH HALOGEN-FREE COMPOUND

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round con- ductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconduct- ing cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. Inner protective shell is made of halogen-free compound
8. Outer protective shell is made of halogen-free compound

AREA OF APPLICATION

For laying in cable structures and industrial premises, where there are requirements for limiting the influence of corrosive gases.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

NA2XSH

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

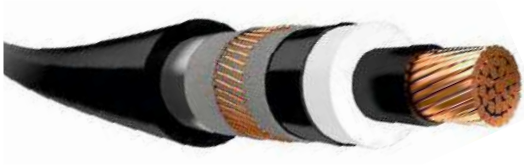
7. Inner protective shell is made of halogen-free compound
8. Outer protective shell is made of halogen-free compound

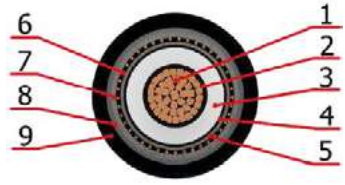
AREA OF APPLICATION

For laying in cable structures and industrial premises, where there are requirements for limiting the influence of corrosive gases

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD





N2XS(FL)2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING AND HERMETIZING ALUMINUM POLYMER TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. The separation layer – made of the electrically conductive water-blocking tape
8. Alumopolymer tape
9. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground (in trenches), regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

NA2XS(FL)2Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH THE INCREASED DENSITY POLYETHYLENE (PE) AND A SEMI-CONDUCTIVE WATER-BLOCKING AND ALUMOPOLYMER TAPE

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. The separation layer - made of the electrically conductive water-blocking tape
8. Alumopolymer tape

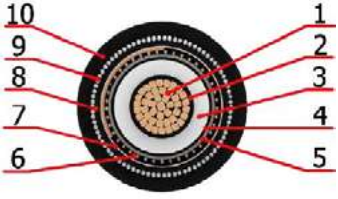
AREA OF APPLICATION

They are used for stationary laying in the ground (in trenches), regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

SINGLE-CORE CABLES WITH CROSS LINKED POLYETHYLENE (XLPE) INSULATION AND ALUMINUM ARMOR 6÷35 KV



N2XSR (AL) Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM WIRE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

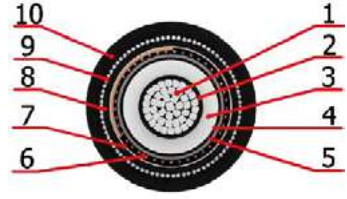
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective sheath is made of PVC

AREA OF APPLICATION

These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14%), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. The cable does not spread combustion in case of single cabling.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSR (AL) Y

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM WIRE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

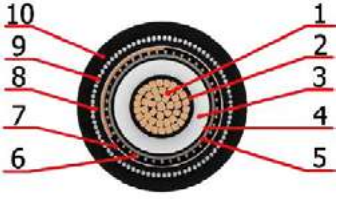
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective sheath is made of polyvinyl chloride

AREA OF APPLICATION

These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14%), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. The cable does not spread combustion in case of single cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSR (AL) Y-FL

SINGLE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, ALUMINUM WIRE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

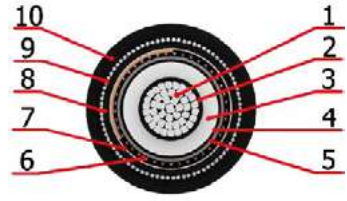
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. External protective shell is made of flame retardant polyvinylchloride

AREA OF APPLICATION

These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14%), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. The cable does not spread combustion in case of group cabling.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSR(AL)Y-FL

SINGLE-CORE XLPE INSULATED, ALUMINUM WIRE ARMORED, FLAME RETARDANT PVC SHEATHED HIGH VOLTAGE CABLE WITH AN ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE WITH AN ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

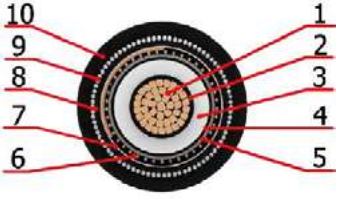
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. External protective shell is made of flame retardant polyvinylchloride

AREA OF APPLICATION

These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14%), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSR (AL) 2Y

SINGLE-CORE XLPE INSULATED, ALUMINUM WIRE ARMORED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

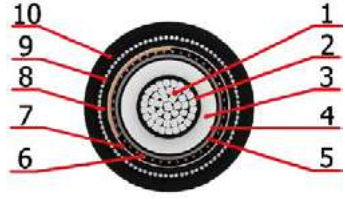
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective shell is made of polyethylene

AREA OF APPLICATION

This type of cables is used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of re safety). These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seismic activity, and on frozen ground. Cables can also be installed without restrictions on level di erences.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSR(AL)2Y

SINGLE-CORE XLPE INSULATED, ALUMINUM WIRE ARMORED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH AN ALUMINIUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

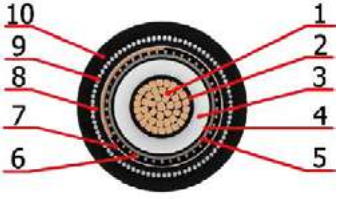
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective shell is made of polyethylene

AREA OF APPLICATION

Used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of fire safety). These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seis- mic activity, and on frozen ground. Cables can also be installed without restrictions on level differences.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSR(AL)2Y y

SINGLE-CORE XLPE INSULATED, ALUMINUM WIRE ARMORED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷1000 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

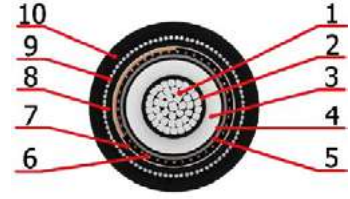
7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

Used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of fire safety). These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seis- mic activity, and on frozen ground. Cables can also be installed without restrictions on level differences.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSR(AL)2Y y

SINGLE-CORE XLPE INSULATED, AN ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE ARMORED BY AN ALUMINUM WIRE AND SHEATHED WITH THE IN-CREASED DENSITY POLYETHYLENE (PE)

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷800 mm^2
- The cross-sectional area of a multi-wire compacted round conductor, consisting of 5 sectors, is 1000÷1600 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – copper wires fastened with copper tape
- Minimum cross-section of screen for cables with a conduc- tor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 1200 mm^2 and above is 50 mm^2
- The maximum cross-section of screen can be set based on the customer's request.

7. The separation layer is made of PETF tape
8. Inner sheath is made of polyvinyl chloride
9. Armor is made of an aluminium wire
10. The outer protective shell is made of increased density polyethylene

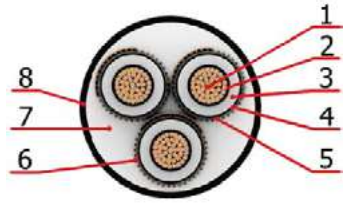
AREA OF APPLICATION

This type of cables is used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of fire safety). These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seismic activity, and on frozen ground. Cables can also be installed without restrictions on level differences.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD

THREE-CORE CABLES WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION 6÷35 KV



N2XSEY

THREE-CORE XLPE INSULATED, PVC SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

7. Internal filler is polyvinyl chloride plastic
8. The outer protective sheath is made of PVC

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of single cabling.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

NA2XSEY

THREE-CORE XLPE INSULATED, PVC SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

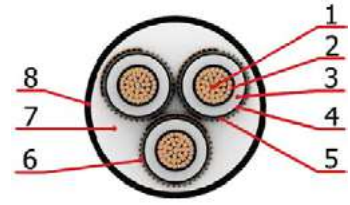
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
• The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
• Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
• Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
• The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. The outer protective sheath is made of PVC

AREA OF APPLICATION

The cable is used for xed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of single cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD



N2XSEY-FL

THREE-CORE XLPE INSULATED, FLAME-RETARDANT PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

7. Internal filler is polyvinyl chloride plastic
8. External protective shell is made of flame retardant polyvinylchloride

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level di erence either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

NA2XSEY-FL

THREE-CORE XLPE INSULATED, PVC SHEATHED HIGH VOLTAGE CABLE WITH ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

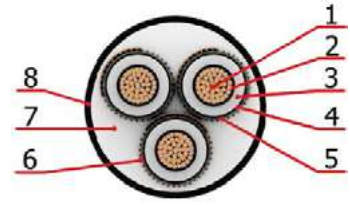
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
• The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
• Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
• Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
• The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. External protective shell is made of flame retardant polyvinylchloride

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD



N2XSEY-LS

THREE-CORE HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR, CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND FLAME RETARDANT POLYVINYL CHLORIDE SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. External protective sheath is made of ame retardant polyvinylchloride with low smoke and gas emission

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level di erence either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

NA2XSEY-LS

THREE-CORE HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR, CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND FLAME RETARDANT POLYVINYL CHLORIDE SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

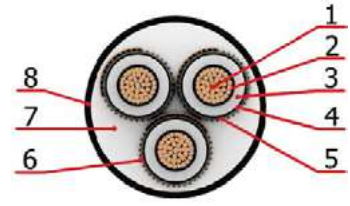
7. Internal filler is polyvinyl chloride plastic
8. External protective sheath is made of ame retardant polyvinylchloride with low smoke and gas emission

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD



N2XSE2Y

THREE-CORE XLPE INSULATED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

7. Internal filler is polyvinyl chloride plastic
8. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

NA2XSE2Y

THREE-CORE XLPE INSULATED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

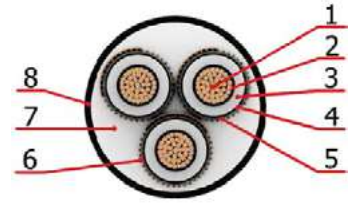
7. Internal filler is polyvinyl chloride plastic
8. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD



N2XSE2Yy

THREE-CORE XLPE INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE (PE)

STRUCTURAL DESIGN OF CABLE

1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

NA2XSE2Yy

THREE-CORE XLPE INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE (PE)

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-section of a multi-wire compacted round conductor is 25÷1000 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. The outer protective shell is made of increased density polyethylene

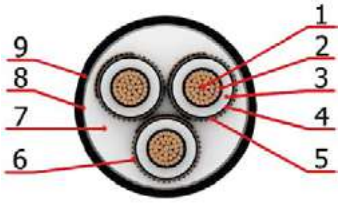
AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level di erence. It is allowed to install cables of this brand on complicated cable routes.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD

THREE-CORE CABLES INSULATED WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND STEEL TAPE ARMOR 6÷35 KV



N2XSEBY

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

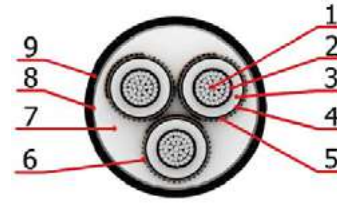
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
• The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
• Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
• Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
• The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective sheath is made of PVC

AREA OF APPLICATION

The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of single cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSEBY

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH AN ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

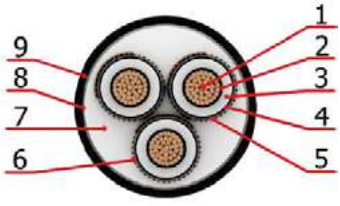
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective sheath is made of PVC

AREA OF APPLICATION

The cable is used for xed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of single cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSEBY-FL

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, PVC SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

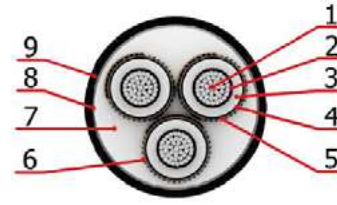
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
• The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
• Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
• Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
• The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. External protective shell is made of ame retardant polyvinyl-chloride

AREA OF APPLICATION

The cable is used for xed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSEBY-FL

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, FLAME- RETARDANT PVC SHEATHED HIGH VOLTAGE CABLE WITH A AN ALUMINUM CONDUCTOR

STRUCTURAL DESIGN OF CABLE

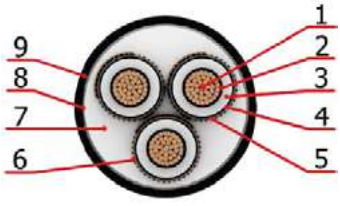
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
· The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
· Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 400-1000 mm^2 is 35 mm^2
· The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. External protective shell is made of ame retardant polyvinyl-chloride

AREA OF APPLICATION

The cable is used for xed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSEBY-LS

THREE-CORE HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR, XLPE INSULATION, ARMOR MADE OF STEEL TAPE, A FLAME RETARDANT POLYVINYL CHLORIDE (PVC) SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

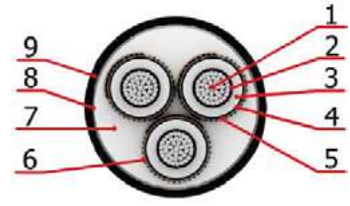
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
· The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
· Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
· The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. External protective sheath is made of ame retardant polyvinylchloride with low smoke and gas emission

AREA OF APPLICATION

The cable is used for xed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSEBY-LS

THREE-CORE HIGH-VOLTAGE CABLE WITH AN ALUMINUM CONDUCTOR, CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND WITH FLAME RETARDANT PVC SHEATH WITH LOW SMOKE AND GAS EMISSION

STRUCTURAL DESIGN OF CABLE

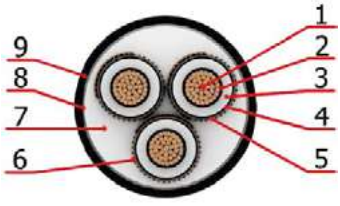
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective shell is made of polyethylen

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without pro- tection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSEB2Y

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

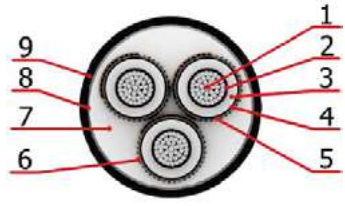
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. External protective sheath is made of ame retardant polyvinylchloride with low smoke and gas emission

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



NA2XSEB2Y

THREE-CORE XLPE INSULATED, STEEL TAPE ARMORED, POLYETHYLENE (PE) SHEATHED HIGH VOLTAGE CABLE WITH A COPPER CONDUCTOR

STRUCTURAL DESIGN OF CABLE

1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2

2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request

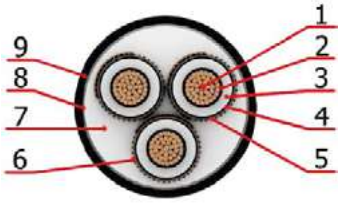
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective shell is made of polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of re safety). Cables can be installed without restrictions on the level difference

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSEB2Yy

THREE-CORE XLPE INSULATED, A COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE (PE)

STRUCTURAL DESIGN OF CABLE

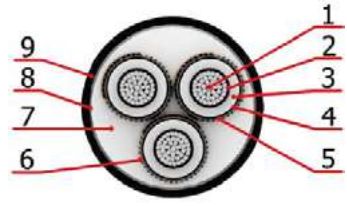
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



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THREE-CORE XLPE INSULATED, AN ALUMINUM CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH INCREASED DENSITY POLYETHYLENE (PE)

STRUCTURAL DESIGN OF CABLE

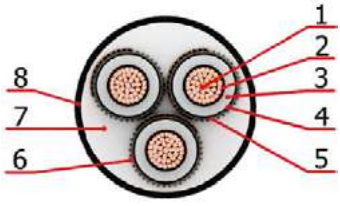
1. The conductor is aluminum (A), multi-wire compacted, round form, corresponds to class 2 of IEC 60228
· The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
· Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
· Minimum cross-section of screen for cables with a conductor cross-section of 150-240 mm^2 is 25 mm^2
· The maximum cross-section of screen can be set based on the customer's request
7. Internal filler is polyvinyl chloride plastic
8. Armor is made of two galvanized steel tapes (the upper layer tape is superimposed with the condition of covering the gaps between the turns of the lower layer tape)
9. The outer protective shell is made of increased density polyethylene

AREA OF APPLICATION

They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routesz

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-20°C
Ambient temperature	-60 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	15xD



N2XSEH

THREE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH HALOGEN-FREE COMPOUND

STRUCTURAL DESIGN OF CABLE

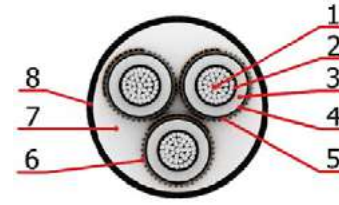
1. The conductor is copper, multi-wire compacted, round form, corresponds to class 2 of IEC 60228
- The cross-sectional area of a multi-wire compacted round conductor is 25÷800 mm^2
2. The outer conductor screen – made of extruded semiconducting cross-linked polyethylene
3. Insulation – cross-linked polyethylene
4. Insulation screen – made of extruded semiconducting cross-linked polyethylene
5. The separation layer – made of the electrically conductive water-blocking tape
6. The screen – each conductor is screened with a copper wire and copper tape
- Minimum cross-section of screen for cables with a conductor cross-section of 25-120 mm^2 is 16 mm^2
- Minimum cross-section of screen for cables with a conductor cross-section of 150-300 mm^2 is 25 mm^2
- The maximum cross-section of screen can be set based on the customer's request
7. Filler – halogen-free compound
8. Outer protective sheath – halogen-free compound

AREA OF APPLICATION

Cables can be used for laying on the ground and cable lines, or open air. The cables can be used for group installation in industrial facilities, airports and shopping malls and in places where people are densely populated

TECHNICAL SPECIFICATIONS

Operating conductor temperature	+90°C
The maximum heating temperature of the cable conductors in case of emergency	+130°C
The maximum heating temperature of the cable conductors in case of a short circuit	+250°C
The duration of a short circuit (not more than)	5 sec
Cable laying temperature (not less than)	-15°C
Ambient temperature	-50 / +50°C
Minimum bending radius of the cable (D-outer diameter of the cable)	12xD



NA2XSEH

THREE-CORE CROSS-LINKED POLYETHYLENE (XLPE) INSULATED, COPPER CONDUCTOR HIGH VOLTAGE CABLE SHEATHED WITH HALOGEN-FREE COMPOUND

STRUCTURAL DESIGN OF CABLE

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AREA OF APPLICATION

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TECHNICAL SPECIFICATIONS

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FOR NOTES

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