

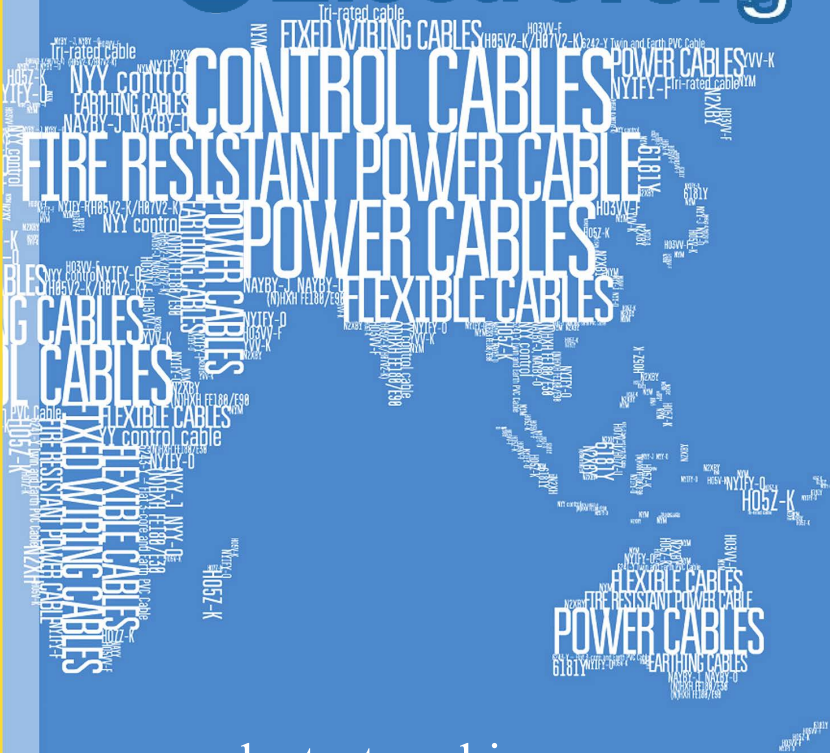


ELECTRO CABLE GROUP

CATALOGUE OF CABLE AND WIRE PRODUCTS

Официальный поставщик ЗЗЦМ

ElectroTorg



electrotorg.biz.ua

www.zzcm.com.ua



ELECTRO CABLE GROUP

CATALOGUE OF CABLE AND WIRE PRODUCTS

Официальный поставщик ЗЗЦМ

 **ElectroTorg**

electrotorg.biz.ua

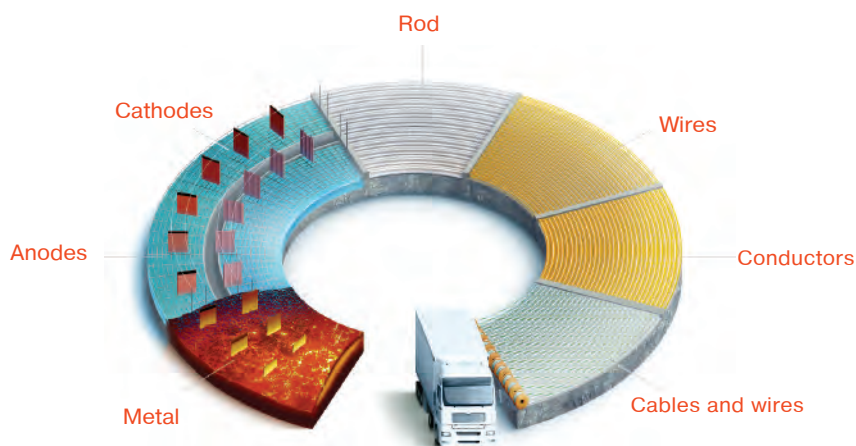
www.zzcm.com.ua



ELECTRO CABLE GROUP includes a group of companies with powerful industrial base and reputation of a reliable business partner.

HOLDING INCLUDES INDUSTRIAL PROCESSES FOR MANUFACTURING

Copper cathodes
Copper wire rod
Copper conductors
Copper wires
Copper and aluminum cables (power, armored, screened, fire-resistant, installation wires and cables with voltage up to 1 kV)
Label products



Today our company is a leading manufacturer of high-quality cable and wire products in Ukraine. Our wire and cable products represented under trademark «Electro Cable Group» are recognized not only in Ukraine but also abroad. The foundation of the enterprise's success is a result of traditions and values developed for more than 25 years.

For 26 years our company has increased its range of products to more than 2500 items and it occupies the first place in Ukraine as manufacturer of cable and wire products in PVC insulation with rated voltage up to 1 kV.



SECTION 1 Low voltage PVC Fixed Wiring & Mains Cables

- HO7V-R (6491X) PVC..... 6
- Bare copper strand 7
- Flexible bare copper strand 8
- 6181Y surface wiring cables PVC..... 9
- 6241-Y Twin and Earth PVC Cable..... 10
- 6242-Y Twin and Earth PVC Cable..... 11
- 6243-Y – Flat 3-core and Earth PVC Cable..... 12
- HO7V-U PVC..... 13
- NYY PVC non-armored cable..... 14
- NAYY aluminum core pvc non-armored cable..... 17
- N2XY XLPE insulated cable..... 21
- NYBY PVC, PVC, STA, PVC armored cable..... 25
- NAYBY aluminum conductor PVC, PVC, STA, PVC armored cable..... 28
- N2XBY XLPE, PVC, STA, PVC armored cable..... 31
- YVV-K PVC flexible cable..... 34
- NYIFY-O PVC flat cable..... 35
- NYM surface wiring cables PVC..... 36



SECTION 2 LSZH Fixed Wiring & Mains

- HO7Z-R (6491B) LSZH..... 39
- N2XH XLPE insulated LSZH outer sheathed cable..... 40
- HO5Z-K LSZH..... 43
- HO7Z-K LSZH..... 44
- HO7Z-U LSZH..... 45



SECTION 3 Fire resistant Cables

- (N)HXH FE180/E30 fireproof mains cables LSZH..... 47
- (N)HXH FE180/E90 fireproof mains cablesLSZH..... 50



SECTION 4 Flexible Cables, Control and Speaker cable

| | |
|-------------------------------------------------|----|
| • YSLY 300/500 PVC flexible control cable..... | 54 |
| • YSLY 600/1000 PVC flexible control cable..... | 59 |
| • NYY control cable..... | 64 |
| • YY control cable..... | 65 |
| • H05V-K PVC..... | 69 |
| • H07V-K PVC..... | 70 |
| • H03VV-F (218*Y) PVC flexible cords..... | 71 |
| • H05VV-F (318*Y) PVC flexible cords..... | 72 |
| • H05V2-K/H07V2-K..... | 73 |
| • Tri-rated cable..... | 74 |
| • NYIFY-F PVC Flat flexible cable..... | 75 |
| • Speaker cable..... | 76 |



SECTION 5 Bare copper products

| | |
|-----------------------------------------------|----|
| • Copper conductors for cable production..... | 78 |
| • Drawn copper wires..... | 79 |
| • Copper wire oxygen-free..... | 80 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables





ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



RoHS



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, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| HO7VR1/5 | 1.5 | 7/0.5 | 2.9 | 12.9 | 18.9 |
| HO7VR2/5 | 2.5 | 13/0.5 | 3.6 | 20.9 | 29.3 |
| HO7VR4 | 4 | 20/0.5 | 4.1 | 33.8 | 43.8 |
| HO7VR6 | 6 | 30/0.5 | 4.8 | 50.9 | 62.5 |
| HO7VR10 | 10 | 7/1.34 | 6.1 | 84.1 | 103 |
| HO7VR16 | 16 | 7/1.67 | 7.01 | 138 | 166 |
| HO7VR25 | 25 | 7/2.09 | 8.67 | 216 | 257 |
| HO7VR35 | 35 | 7/2.46 | 9.78 | 299 | 347 |
| HO7VR50 | 50 | 19/1.8 | 11.8 | 412 | 479 |
| HO7VR70 | 70 | 19/2.12 | 13.4 | 591 | 669 |
| HO7VR95 | 95 | 19/2.49 | 15.65 | 814 | 920 |
| HO7VR120 | 120 | 37/2 | 17.2 | 1013 | 1130 |
| HO7VR150 | 150 | 37/2.21 | 19.07 | 1249 | 1395 |
| HO7VR185 | 185 | 37/2.46 | 21.22 | 1532 | 1712 |
| HO7VR240 | 240 | 37/2.82 | 24.14 | 2034 | 2260 |
| HO7VR300 | 300 | 37/3.2 | 27.2 | 2593 | 2872 |
| HO7VR400 | 400 | 61/2.87 | 31.0 | 3438 | 3785 |
| HO7VR500 | 500 | 61/3.2 | 34.4 | 4275 | 4689 |
| HO7VR625 | 625 | 91/2.91 | 37.6 | 5273 | 5730 |
| HO7VR800 | 800 | 91/3.3 | 40.8 | 6377 | 6875 |
| HO7VR1000 | 1000 | 91/3.73 | 46.8 | 8571 | 9187 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



BARE COPPER STRAND

Stranded plain circular copper conductor, hard/soft, compacted/uncompact, non insulated, non sheathed. Sot drawn conductor according to BS EN 60228.

Hard drawn conductor according to BS 7884.

| ECG Code | Conductor Size, (mm ²) | Stranding | Nominal overall diameter (mm) | Cu Weight (Kg/Km) |
|----------|------------------------------------|-----------|-------------------------------|-------------------|
| BC2-10 | 10 | 7/1.31 | 4 | 84.8 |
| BC2-16 | 16 | 7/1.67 | 5.1 | 137.8 |
| BC2-25 | 25 | 7/2.09 | 6.3 | 215.8 |
| BC2-35 | 35 | 7/2.48 | 7.5 | 303.8 |
| BC2-50 | 50 | 19/1.76 | 8.2 | 415.3 |
| BC2-70 | 70 | 19/2.13 | 9.8 | 608 |
| BC2-95 | 95 | 19/2.48 | 11.4 | 825 |
| BC2-120 | 120 | 37/2.01 | 12.8 | 1055 |
| BC2-150 | 150 | 37/2.21 | 14.4 | 1275 |
| BC2-185 | 185 | 37/2.48 | 16.2 | 1606 |
| BC2-240 | 240 | 37/2.84 | 19 | 2106 |
| BC2-300 | 300 | 61/2.48 | 21 | 2661 |
| BC2-400 | 400 | 61/2.85 | 26 | 3514 |
| BC2-501 | 500 | 61/3.2 | 29 | 4451 |
| BC2-630 | 630 | 91/2.95 | 33 | 5644 |
| BC2-800 | 800 | 91/3.3 | 36 | 7097 |
| BC2-1000 | 1000 | 91/3.71 | 41 | 8971 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



FLEXIBLE BARE COPPER STRAND

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

| ECG Code | Conductor Size, (mm ²) | Stranding | Nominal overall diameter (mm) | Cu Weight (Kg/Km) |
|-----------|------------------------------------|-----------|-------------------------------|-------------------|
| BC5-00/5 | 0.5 | 15/0.198 | 0.92 | 4.16 |
| BC5-00/75 | 0.75 | 23/0.198 | 1.1 | 6.37 |
| BC5-01 | 1.0 | 30/0.198 | 1.3 | 8.31 |
| BC5-01/5 | 1.5 | 30/0.238 | 1.6 | 12.1 |
| BC5-02/5 | 2.5 | 50/0.238 | 2 | 20.2 |
| BC5-04 | 4 | 50/0.3 | 2.6 | 32.1 |
| BC5-06 | 6 | 74/0.3 | 3.4 | 47.6 |
| BC5-10 | 10 | 73/0.4 | 4.5 | 83.2 |
| BC5-16 | 16 | 119/0.4 | 6.0 | 135.7 |
| BC5-025 | 25 | 182/0.4 | 7.5 | 215 |
| BC5-035 | 35 | 252/0.4 | 8.5 | 287.3 |
| BC5-50 | 50 | 371/0.4 | 10.5 | 423 |
| BC5-70 | 70 | 342/0.5 | 12.5 | 609 |
| BC5-95 | 95 | 456/0.5 | 14.1 | 826 |
| BC5-120 | 120 | 589/0.5 | 16.5 | 1049 |
| BC5-150 | 150 | 740/0.5 | 18.0 | 1318 |
| BC5-185 | 185 | 851/0.5 | 19.3 | 1516 |
| BC5-240 | 240 | 1184/0.5 | 22.8 | 2109 |
| BC5-300 | 300 | 1443/0.5 | 25.5 | 2571 |
| BC5-400 | 400 | 1850/0.5 | 29.4 | 3296 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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.

| ECG Code | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 6181Y1 | 1 | 1/1.13 | 4.5 | 8.8 | 28 |
| 6181Y1/5 | 1.5 | 1/1.38 | 5.1 | 12.92 | 36 |
| 6181Y2/5 | 2.5 | 1/1.78 | 6.0 | 20.91 | 51 |
| 6181Y4 | 4 | 7/0.85 | 6.8 | 33.8 | 75 |
| 6181Y6 | 6 | 7/1.04 | 7.4 | 50.9 | 98 |
| 6181Y10 | 10 | 7/1.35 | 8.8 | 84.1 | 150 |
| 6181Y16 | 16 | 7/1.7 | 10.5 | 137 | 220 |
| 6181Y25 | 25 | 7/2.14 | 12.5 | 215 | 340 |
| 6181Y35 | 35 | 7/2.52 | 13.5 | 298 | 440 |
| 6181Y50 | 50 | 19/1.78 | 14.38 | 412 | 540 |
| 6181Y70 | 70 | 19/2.14 | 15.3 | 590 | 750 |
| 6181Y95 | 95 | 19/2.52 | 17.7 | 814 | 1010 |
| 6181Y120 | 120 | 37/2.03 | 19.3 | 102 | 1250 |

Temperature limits:
- 15°C - + 70°C

Max. temperature of conductor: + 70°C

Short-circuit temperature:
+ 160°C

Bending radius:
4 x overall diameter
Standard colors available:
Brown/Grey or Blue/Grey.
Other colors are available
according to customer
requirements



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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

| ECG Code | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 6241Y1 | 1 | 1/1.13 | 4.1 x 5.3 | 17.84 | 40.8 |
| 6241Y1/5 | 1.5 | 1/1.37 | 4.6 x 5.9 | 25.84 | 53.5 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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

| ECG Code | Number of cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|-----------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 6242Y1 | 2 | 1 | 1/1.13 | 4.1x5.3 | 26.76 | 60.8 |
| 6242Y1/5 | 2 | 1.5 | 1/1.37 | 4.6x8.7 | 38.77 | 81.1 |
| 6242Y2/5 | 2 | 2.5 | 1/1.77 | 5.3x10.4 | 62.73 | 120.8 |
| 6242Y10 | 2 | 10 | 7/1.35 | 8.4x18.5 | 263.44 | 403.9 |
| 6242Y16 | 2 | 16 | 7/1.70 | 9.6x21.6 | 409.18 | 586.6 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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

| ECG Code | Number of cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|-----------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 6243Y1 | 3 | 1 | 1/1.13 | 4.1x9.9 | 35.68 | 81.5 |
| 6243Y1/5 | 3 | 1.5 | 1/1.37 | 4.6x11.4 | 51.69 | 109.2 |
| 6243Y2/5 | 3 | 2.5 | 1/1.77 | 5.3x13.7 | 83.64 | 162.8 |
| 6243Y10 | 3 | 10 | 7/1.35 | 8.4x24.5 | 351.26 | 543.7 |
| 6243Y16 | 3 | 16 | 7/1.70 | 9.6x28.6 | 545.57 | 788.2 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



RoHS

H07V-U PVC

Solid annealed copper conductor, PVC outer sheath. Manufactured to EN 50525-2-3, 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, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H07VU1/5 | 1.5 | 1/1,37 | 2.76 | 12.92 | 18.90 |
| H07VU2/5 | 2.5 | 1/1,77 | 3.33 | 20.91 | 29.30 |
| H07VU4 | 4 | 1/2,2 | 3.8 | 33.81 | 43.76 |
| H07VU6 | 6 | 1/2,7 | 4.3 | 50.93 | 62.54 |
| H07VU10 | 10 | 1/3,48 | 5.47 | 84.12 | 102.65 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



RoHS



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 | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYY1X1/5RE | 1 | 1.5 | 1/1.36 | 5.76 | 12.92 | 48.8 |
| NYY1X2/5RE | 1 | 2.5 | 1/1.73 | 6.13 | 20.91 | 60.45 |
| NYY1X4RE | 1 | 4 | 1/2.2 | 7 | 33.81 | 83.96 |
| NYY1X6RE | 1 | 6 | 1/2.7 | 7.5 | 50.93 | 106.44 |
| NYY1X10RE | 1 | 10 | 7/1.31 | 8.27 | 84.12 | 147.89 |
| NYY1X16RM | 1 | 16 | 7/1.67 | 9.81 | 137.73 | 221.26 |
| NYY1X25RM | 1 | 25 | 7/2.09 | 11.47 | 215.72 | 324.01 |
| NYY1X35RM | 1 | 35 | 7/2.48 | 12.58 | 298.86 | 420.7 |
| NYY1X50RM | 1 | 50 | 19/1.76 | 14.27 | 412.27 | 563.25 |
| NYY1X70RM | 1 | 70 | 19/2.13 | 16.4 | 590.4 | 774.21 |
| NYY1X95RM | 1 | 95 | 19/2.48 | 18.85 | 814.47 | 1049.58 |
| NYY1X120RM | 1 | 120 | 37/2.01 | 26.4 | 1029.89 | 1397.04 |
| NYY1X150RM | 1 | 150 | 37/2.21 | 22.47 | 1249.42 | 1561.1 |
| NYY1X185RM | 1 | 185 | 37/2.48 | 24.82 | 1548.08 | 1923.02 |
| NYY1X240RM | 1 | 240 | 37/2.84 | 27.74 | 2034.33 | 2480.02 |
| NYY1X300RM | 1 | 300 | 61/2.48 | 31.2 | 2619.53 | 3172.99 |
| NYY1X400RM | 1 | 400 | 61/2.85 | 35.23 | 3473.88 | 4147.34 |
| NYY1X500RM | 1 | 500 | 61/3.2 | 38.8 | 4318.68 | 5111.83 |
| NYY1X625RM | 1 | 625 | 91/2.95 | 42.21 | 5436.54 | 6324.81 |
| NYY1X800RM | 1 | 800 | 91/3.3 | 46.9 | 6991.4 | 8026.28 |
| NYY2X1/5RE | 2 | 1.5 | 1/1.36 | 9.52 | 26.28 | 121.2 |
| NYY2X2/5RE | 2 | 2.5 | 1/1.73 | 10.26 | 42.53 | 150.91 |
| NYY2X4RE | 2 | 4 | 1/2.2 | 12 | 68.78 | 215.24 |
| NYY2X6RE | 2 | 6 | 1/2.7 | 13 | 103.59 | 271.96 |
| NYY2X10RE | 2 | 10 | 7/1.31 | 14.54 | 171.11 | 375.37 |

Temperature limits:
- 20°C - + 70°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/Yel low – Grey – Black – Brown – Blue



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NY Y2X16RM | 2 | 16 | 7/1.67 | 20.02 | 280.14 | 659.64 |
| NY Y2X25RM | 2 | 25 | 7/2.09 | 23.34 | 438.77 | 949.24 |
| NY Y2X35RM | 2 | 35 | 7/2.48 | 25.56 | 607.87 | 1206.56 |
| NY Y2X50RM | 2 | 50 | 19/1.76 | 29.14 | 838.96 | 1611.77 |
| NY Y2X70RM | 2 | 70 | 19/2.13 | 33.8 | 1200.87 | 2213.14 |
| NY Y2X95RM | 2 | 95 | 19/2.48 | 38.3 | 1656.63 | 2936.81 |
| NY Y2X120RM | 2 | 120 | 37/2.01 | 41.6 | 2081.3 | 3564.81 |
| NY Y2X150RM | 2 | 150 | 37/2.21 | 45.54 | 2541.31 | 4313.93 |
| NY Y2X185RM | 2 | 185 | 37/2.48 | 49.84 | 3148.79 | 5253.22 |
| NY Y2X240RM | 2 | 240 | 37/2.84 | 56.68 | 4137.82 | 6842.95 |
| NY Y3X1/5RE | 3 | 1.5 | 1/1.36 | 9.98 | 39.43 | 141.27 |
| NY Y3X2/5RE | 3 | 2.5 | 1/1.73 | 10.77 | 63.8 | 179.75 |
| NY Y3X4RE | 3 | 4 | 1/2.2 | 12.65 | 103.17 | 260.26 |
| NY Y3X6RE | 3 | 6 | 1/2.7 | 13.72 | 155.39 | 335.1 |
| NY Y3X10RE | 3 | 10 | 7/1.31 | 15.38 | 256.66 | 472.91 |
| NY Y3X16RM | 3 | 16 | 7/1.67 | 21.1 | 420.21 | 822.18 |
| NY Y3X25RM | 3 | 25 | 7/2.09 | 24.68 | 658.15 | 1197.56 |
| NY Y3X35RM | 3 | 35 | 7/2.48 | 27.07 | 911.81 | 1539.37 |
| NY Y3X50RM | 3 | 50 | 19/1.76 | 30.91 | 1258.44 | 2067.3 |
| NY Y3X70RM | 3 | 70 | 19/2.13 | 36.06 | 1801.31 | 2865.41 |
| NY Y3X95RM | 3 | 95 | 19/2.48 | 40.88 | 2484.94 | 3820.89 |
| NY Y3X120RM | 3 | 120 | 37/2.01 | 44.42 | 3121.94 | 4657.76 |
| NY Y3X150RM | 3 | 150 | 37/2.21 | 48.65 | 3811.97 | 5644.88 |
| NY Y3X185RM | 3 | 185 | 37/2.48 | 53.25 | 4723.19 | 6889.44 |
| NY Y3X240RM | 3 | 240 | 37/2.84 | 60.54 | 6206.74 | 8982.01 |
| NY Y4X1/5RE | 4 | 1.5 | 1/1.36 | 10.75 | 52.57 | 167.38 |
| NY Y4X2/5RE | 4 | 2.5 | 1/1.73 | 11.64 | 85.06 | 215.89 |
| NY Y4X4RE | 4 | 4 | 1/2.2 | 13.74 | 137.56 | 315.98 |
| NY Y4X6RE | 4 | 6 | 1/2.7 | 14.95 | 207.19 | 411.16 |
| NY Y4X10RE | 4 | 10 | 7/1.31 | 16.8 | 342.22 | 587.19 |
| NY Y4X16RM | 4 | 16 | 7/1.67 | 22.92 | 560.28 | 1021.1 |
| NY Y4X25RM | 4 | 25 | 7/2.09 | 26.93 | 877.54 | 1498.54 |
| NY Y4X35RM | 4 | 35 | 7/2.48 | 29.81 | 1215.75 | 1950.22 |
| NY Y4X50RM | 4 | 50 | 19/1.76 | 34.09 | 1677.91 | 2625.04 |
| NY Y4X70RM | 4 | 70 | 19/2.13 | 39.75 | 2401.75 | 3639.41 |
| NY Y4X95RM | 4 | 95 | 19/2.48 | 45.1 | 3313.25 | 4863.73 |
| NY Y4X120RM | 4 | 120 | 37/2.01 | 49.04 | 4162.59 | 5940.25 |
| NY Y4X150RM | 4 | 150 | 37/2.21 | 53.95 | 5082.63 | 7229.89 |
| NY Y4X185RM | 4 | 185 | 37/2.48 | 59.66 | 6297.58 | 8900.21 |
| NY Y4X240RM | 4 | 240 | 37/2.84 | 67.11 | 8275.65 | 11510 |
| NY Y5X1/5RE | 5 | 1.5 | 1/1.36 | 11.59 | 65.71 | 195.04 |
| NY Y5X2/5RE | 5 | 2.5 | 1/1.73 | 12.59 | 106.33 | 253.9 |

We reserve the right to make technical alterations and misprint without prior notice.



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-----------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NY5X4RE | 5 | 4 | 1/2.2 | 14.94 | 171.95 | 374.42 |
| NY5X6RE | 5 | 6 | 1/2.7 | 16.29 | 258.99 | 490.52 |
| NY5X10RE | 5 | 10 | 7/1.31 | 18.37 | 427.77 | 705.77 |
| NY5X16RM | 5 | 16 | 7/1.67 | 24.93 | 700.35 | 1238.14 |
| NY5X25RM | 5 | 25 | 7/2.09 | 29.61 | 1096.92 | 1839.25 |
| NY5X35RM | 5 | 35 | 7/2.48 | 32.81 | 1519.69 | 2397.67 |
| NY5X50RM | 5 | 50 | 19/1.76 | 37.77 | 2097.39 | 3248.58 |
| NY5X70RM | 5 | 70 | 19/2.13 | 43.98 | 3002.18 | 4499.13 |
| NY5X95RM | 5 | 95 | 19/2.48 | 49.92 | 4141.56 | 6015.67 |
| NY5X120RM | 5 | 120 | 37/2.01 | 54.3 | 5203.24 | 7351.22 |
| NY5X150RM | 5 | 150 | 37/2.21 | 59.75 | 6353.28 | 8947.55 |
| NY5X185RM | 5 | 185 | 37/2.48 | 66.01 | 7871.98 | 11007.94 |
| NY5X185RM | 5 | 185 | 37/2.84 | 66.01 | 7871.98 | 11007.94 |
| NY5X240RM | 5 | 240 | 1/1.36 | 74.9 | 10344.56 | 14336.51 |
| NY3X4+1X2/5RE | 3+E | 4 | 1/1.73 | 13.74 | 124.4 | 305.1 |
| NY3X6+1X4RE | 3+E | 6 | 1/2.2 | 14.95 | 189.8 | 396.53 |
| NY3X10+1X6RE | 3+E | 10 | 1/2.7 | 16.8 | 308.5 | 558.79 |
| NY3X16+1X10RM | 3+E | 16 | 7/1.67 | 22.92 | 505.8 | 977.92 |
| NY3X25+1X16RM | 3+E | 25 | 7/2.09 | 26.93 | 798.23 | 1433.76 |
| NY3X35+1X16RM | 3+E | 35 | 7/2.48 | 29.81 | 1051.88 | 1816.4 |
| NY3X50+1X25RM | 3+E | 50 | 19/1.76 | 34.09 | 1477.82 | 2461.25 |
| NY3X70+1X35RM | 3+E | 70 | 19/2.13 | 39.75 | 2105.25 | 3404.15 |
| NY3X95+1X70RM | 3+E | 95 | 19/2.48 | 45.1 | 3085.38 | 4681.2 |
| NY3X120+1X70RM | 3+E | 120 | 37/2.01 | 49.04 | 3722.38 | 5589.59 |
| NY3X150+1X70RM | 3+E | 150 | 37/2.21 | 54.15 | 4412.41 | 6716.03 |
| NY3X185+1X95RM | 3+E | 185 | 37/2.48 | 59.26 | 5551.5 | 8258.17 |
| NY3X240+1X120RM | 3+E | 240 | 37/2.84 | 67.11 | 7247.38 | 10677.08 |
| NY4X50SM | 4 | 50 | 19/1.76 | 29.3 | 2144.25 | 2422.91 |
| NY4X70SM | 4 | 70 | 19/2.13 | 34.1 | 3045.98 | 3 175.83 |
| NY4X95SM | 4 | 95 | 19/2.48 | 38.7 | 4092.45 | 4 301.96 |
| NY4X120SM | 4 | 120 | 37/2.01 | 42.9 | 5064.91 | 5 276.02 |
| NY4X150SM | 4 | 150 | 37/2.21 | 46.9 | 6149.35 | 6 420.36 |
| NY4X185SM | 4 | 185 | 37/2.48 | 52.1 | 7574.78 | 7 877.81 |
| NY4X240SM | 4 | 240 | 37/2.84 | 60.3 | 9891.74 | 10 246.19 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



RoHS



NAYY ALUMINUM CORE PVC NON-ARMORED CABLE

Solid plain aluminium conductors, PVC insulated, PVC filler, PVC outer sheath. Black. 600/1000 volts grade to HD 603 S1, IEC 60502-1. For installation indoors and outdoors as underground, or in cable ducts, installations with additional protection where mechanical damage is unexpected.

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYY1X2/5RE | 1 | 2.5 | 1/1.73 | 6.1 | 6.3 | 46 |
| NAYY1X4RE | 1 | 4 | 1/2.17 | 7 | 9.9 | 60 |
| NAYY1X6RE | 1 | 6 | 1/2.67 | 7.5 | 14.9 | 70 |
| NAYY1X10RE | 1 | 10 | 1/3.45 | 8.3 | 25.2 | 89 |
| NAYY1X16RE | 1 | 16 | 7/1.67 | 9.8 | 42.2 | 126 |
| NAYY1X25RM | 1 | 25 | 7/2.09 | 11.5 | 66.1 | 174 |
| NAYY1X35RM | 1 | 35 | 7/2.46 | 12.6 | 91.6 | 213 |
| NAYY1X50RM | 1 | 50 | 7/2.85 | 14.2 | 122.9 | 272 |
| NAYY1X70RM | 1 | 70 | 19/2.09 | 16.3 | 175.8 | 358 |
| NAYY1X95RM | 1 | 95 | 19/2.49 | 18.9 | 249.6 | 485 |
| NAYY1X120RM | 1 | 120 | 19/2.8 | 26.4 | 315.6 | 683 |
| NAYY1X150RM | 1 | 150 | 37/2.21 | 22.5 | 382.9 | 695 |
| NAYY1X185RM | 1 | 185 | 37/2.46 | 24.8 | 474.4 | 849 |
| NAYY1X240RM | 1 | 240 | 37/2.82 | 27.7 | 623.4 | 1069 |
| NAYY1X300RM | 1 | 300 | 37/3.2 | 31.2 | 802.7 | 1356 |
| NAYY1X400RM | 1 | 400 | 61/2.87 | 35.2 | 1064.5 | 1738 |
| NAYY1X500RM | 1 | 500 | 61/3.2 | 38.8 | 1323.4 | 2117 |
| NAYY1X625RM | 1 | 625 | 91/2.91 | 42.2 | 1665.9 | 2554 |
| NAYY1X800RM | 1 | 800 | 91/3.3 | 46.9 | 2142.4 | 3177 |
| NAYY1X1000RM | 1 | 1000 | 91/3.71 | 52 | 2707.8 | 3928 |
| NAYY2X2/5RE | 2 | 2.5 | 1/1.73 | 10.3 | 12.9 | 121 |
| NAYY2X4RE | 2 | 4 | 1/2.17 | 11.9 | 20.3 | 165 |
| NAYY2X6RE | 2 | 6 | 1/2.67 | 12.9 | 30.3 | 196 |
| NAYY2X10RE | 2 | 10 | 1/3.45 | 14.5 | 51.3 | 255 |
| NAYY2X16RE | 2 | 16 | 7/1.67 | 20 | 85.9 | 465 |
| NAYY2X25RM | 2 | 25 | 7/2.09 | 23.3 | 134.5 | 645 |

Temperature limits:

- 20°C - + 70°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/Yel

low – Grey – Black – Brown

- 5 cores: Green/Yel low – Grey – Black – Brown – Blue



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYY2X35RM | 2 | 35 | 7/2.46 | 25.6 | 186.3 | 785 |
| NAYY2X50RM | 2 | 50 | 7/2.85 | 28.9 | 250 | 1012 |
| NAYY2X70RM | 2 | 70 | 19/2.09 | 33.5 | 357.7 | 1354 |
| NAYY2X95RM | 2 | 95 | 19/2.49 | 38.1 | 499.5 | 1768 |
| NAYY2X120RM | 2 | 120 | 19/2.8 | 41.6 | 637.8 | 2121 |
| NAYY2X150RM | 2 | 150 | 37/2.21 | 45.5 | 778.8 | 2551 |
| NAYY2X185RM | 2 | 185 | 37/2.46 | 49.8 | 964.9 | 3069 |
| NAYY2X240RM | 2 | 240 | 37/2.82 | 56.7 | 1267.9 | 3973 |
| NAYY2X300RM | 2 | 300 | 37/3.2 | 64.4 | 1632.7 | 5132 |
| NAYY2X400RM | 2 | 400 | 61/2.87 | 72.7 | 2165.2 | 6564 |
| NAYY3X2/5RE | 3 | 2.5 | 1/1.73 | 10.8 | 19.4 | 135 |
| NAYY3X4RE | 3 | 4 | 1/2.17 | 12.6 | 30.5 | 186 |
| NAYY3X6RE | 3 | 6 | 1/2.67 | 13.6 | 45.4 | 223 |
| NAYY3X10RE | 3 | 10 | 1/3.45 | 15.3 | 76.9 | 292 |
| NAYY3X16RE | 3 | 16 | 7/1.67 | 21.1 | 128.8 | 531 |
| NAYY3X25RM | 3 | 25 | 7/2.09 | 24.7 | 201.7 | 741 |
| NAYY3X35RM | 3 | 35 | 7/2.46 | 27.1 | 279.4 | 907 |
| NAYY3X50RM | 3 | 50 | 7/2.85 | 30.6 | 375 | 1173 |
| NAYY3X70RM | 3 | 70 | 19/2.09 | 35.7 | 536.5 | 1585 |
| NAYY3X95RM | 3 | 95 | 19/2.49 | 40.7 | 749.3 | 2074 |
| NAYY3X120RM | 3 | 120 | 19/2.8 | 44.4 | 956.7 | 2492 |
| NAYY3X150RM | 3 | 150 | 37/2.21 | 48.6 | 1168.1 | 3001 |
| NAYY3X185RM | 3 | 185 | 37/2.46 | 53.2 | 1447.4 | 3614 |
| NAYY3X240RM | 3 | 240 | 37/2.82 | 60.5 | 1901.9 | 4677 |
| NAYY3X300RM | 3 | 300 | 37/3.2 | 69 | 2449.1 | 6072 |
| NAYY3X400RM | 3 | 400 | 61/2.87 | 77.8 | 3247.9 | 7772 |
| NAYY4X2/5RE | 4 | 2.5 | 1/1.73 | 11.6 | 25.8 | 157 |
| NAYY4X4RE | 4 | 4 | 1/2.17 | 13.7 | 40.6 | 218 |
| NAYY4X6RE | 4 | 6 | 1/2.67 | 14.8 | 60.6 | 262 |
| NAYY4X10RE | 4 | 10 | 1/3.45 | 16.8 | 102.6 | 347 |
| NAYY4X16RE | 4 | 16 | 7/1.67 | 22.9 | 171.7 | 633 |
| NAYY4X25RM | 4 | 25 | 7/2.09 | 26.9 | 268.9 | 890 |
| NAYY4X35RM | 4 | 35 | 7/2.46 | 29.8 | 372.6 | 1107 |
| NAYY4X50RM | 4 | 50 | 7/2.85 | 33.8 | 500 | 1435 |
| NAYY4X70RM | 4 | 70 | 19/2.09 | 39.4 | 715.3 | 1935 |
| NAYY4X95RM | 4 | 95 | 19/2.49 | 44.9 | 999.1 | 2537 |
| NAYY4X120RM | 4 | 120 | 19/2.8 | 49 | 1275.6 | 3053 |
| NAYY4X150RM | 4 | 150 | 37/2.21 | 54 | 1557.5 | 3705 |
| NAYY4X185RM | 4 | 185 | 37/2.46 | 59.7 | 1929.8 | 4532 |
| NAYY4X240RM | 4 | 240 | 37/2.82 | 67.1 | 2536 | 5770 |
| NAYY4X300RM | 4 | 300 | 37/3.2 | 72.2 | 3265.4 | 7107 |
| NAYY5X2/5RE | 5 | 2.5 | 1/1.73 | 12.6 | 32.3 | 180 |



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYY5X4RE | 5 | 4 | 1/2.17 | 14.9 | 50.8 | 252 |
| NAYY5X6RE | 5 | 6 | 1/2.67 | 16.2 | 75.7 | 304 |
| NAYY5X10RE | 5 | 10 | 1/3.45 | 18.3 | 128.3 | 405 |
| NAYY5X16RE | 5 | 16 | 7/1.67 | 24.9 | 214.6 | 752 |
| NAYY5X25RM | 5 | 25 | 7/2.09 | 29.6 | 336.1 | 1078 |
| NAYY5X35RM | 5 | 35 | 7/2.46 | 32.8 | 465.7 | 1344 |
| NAYY5X50RM | 5 | 50 | 7/2.85 | 37.4 | 625.1 | 1761 |
| NAYY5X70RM | 5 | 70 | 19/2.09 | 43.6 | 894.1 | 2370 |
| NAYY5X95RM | 5 | 95 | 19/2.49 | 49.6 | 1248.8 | 3107 |
| NAYY5X120RM | 5 | 120 | 19/2.8 | 54.3 | 1594.46 | 3742 |
| NAYY5X150RM | 5 | 150 | 37/2.21 | 59.7 | 1946.9 | 4541 |
| NAYY5X185RM | 5 | 185 | 37/2.46 | 66 | 2412.3 | 5548 |
| NAYY5X240RM | 5 | 240 | 37/2.82 | 74.9 | 3169.9 | 7162 |
| NAYY3X4+1X2/5RE | 3+E | 4 | 1/2.17 | 13.7 | 36.9 | 216 |
| NAYY3X6+1X4RE | 3+E | 6 | 1/2.67 | 14.8 | 55.6 | 260 |
| NAYY3X10+1X6RE | 3+E | 10 | 1/3.45 | 16.8 | 92.1 | 341 |
| NAYY3X16+1X10RE | 3+E | 16 | 7/1.67 | 22.9 | 154.4 | 627 |
| NAYY3X25+1X10RM | 3+E | 25 | 7/2.09 | 26.9 | 227.3 | 874 |
| NAYY3X25+1X16RM | 3+E | 35 | 7/2.09 | 26.9 | 244.6 | 880 |
| NAYY3X35+1X16RM | 3+E | 35 | 7/2.46 | 29.8 | 322.3 | 1087 |
| NAYY3X35+1X25RM | 3+E | 35 | 7/2.46 | 29.8 | 346.6 | 1096 |
| NAYY3X50+1X25RM | 3+E | 50 | 7/2.85 | 33.8 | 442.3 | 1411 |
| NAYY3X50+1X35RM | 3+E | 50 | 7/2.85 | 33.8 | 468.2 | 1422 |
| NAYY3X70+1X25RM | 3+E | 70 | 19/2.09 | 39.4 | 603.7 | 1897 |
| NAYY3X70+1X35RM | 3+E | 70 | 19/2.09 | 39.4 | 629.6 | 1907 |
| NAYY3X70+1X50RM | 3+E | 70 | 19/2.09 | 39.4 | 661.5 | 1916 |
| NAYY3X95+1X35RM | 3+E | 95 | 19/2.49 | 44.9 | 842.4 | 2484 |
| NAYY3X95+1X50RM | 3+E | 95 | 19/2.49 | 44.9 | 874.3 | 2492 |
| NAYY3X95+1X70RM | 3+E | 95 | 19/2.49 | 44.9 | 928.1 | 2512 |
| NAYY3X120+1X35RM | 3+E | 120 | 19/2.8 | 49 | 1049.8 | 2978 |
| NAYY3X120+1X50RM | 3+E | 120 | 19/2.8 | 49 | 1081.7 | 2987 |
| NAYY3X120+1X70RM | 3+E | 120 | 19/2.8 | 49 | 1135.5 | 3002 |
| NAYY3X120+1X95RM | 3+E | 120 | 19/2.8 | 49 | 1206.4 | 3023 |
| NAYY3X150+1X35RM | 3+E | 150 | 37/2.21 | 54.2 | 1261.2 | 3603 |
| NAYY3X150+1X50RM | 3+E | 150 | 37/2.21 | 54.2 | 1293.1 | 3634 |
| NAYY3X150+1X70RM | 3+E | 150 | 37/2.21 | 54.2 | 1346.9 | 3649 |
| NAYY3X185+1X35RM | 3+E | 185 | 37/2.46 | 59.3 | 1540.5 | 4352 |
| NAYY3X185+1X95RM | 3+E | 185 | 37/2.46 | 59.3 | 1697.1 | 4398 |
| NAYY3X185+1X50RM | 3+E | 185 | 37/2.46 | 59.3 | 1572.4 | 4361 |
| NAYY3X185+1X70RM | 3+E | 185 | 37/2.46 | 59.3 | 1626.2 | 4326 |
| NAYY3X185+1X120RM | 3+E | 185 | 37/2.46 | 59.3 | 1766.2 | 4418 |
| NAYY3X240+1X50RM | 3+E | 240 | 37/2.82 | 67.1 | 2027 | 5594 |

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYY3X240+1X120RM | 3+E | 240 | 37/2.82 | 67.1 | 2220.9 | 5651 |
| NAYY3X240+1X150RM | 3+E | 240 | 37/2.82 | 67.1 | 2291.3 | 5672 |
| NAYY4X4+1X2/5RE | 4+E | 4 | 1/2.17 | 14.9 | 47.1 | 250 |
| NAYY4X6+1X4RE | 4+E | 6 | 1/2.67 | 16.2 | 71.1 | 302 |
| NAYY4X6+1X2/5RE | 4+E | 6 | 1/2.67 | 16.2 | 67 | 300 |
| NAYY4X10+1X6RE | 4+E | 10 | 1/3.45 | 18.3 | 117.8 | 400 |
| NAYY4X10+1X4RE | 4+E | 10 | 1/3.45 | 18.3 | 112.8 | 398 |
| NAYY4X16+1X10RE | 4+E | 16 | 7/1.67 | 24.9 | 197.3 | 728 |
| NAYY4X16+1X6RE | 4+E | 16 | 7/1.67 | 24.9 | 186.8 | 742 |
| NAYY4X25+1X16RM | 4+E | 25 | 7/2.09 | 29.6 | 311.8 | 1069 |
| NAYY4X25+1X10RM | 4+E | 25 | 7/2.09 | 29.6 | 294.6 | 1063 |
| NAYY4X35+1X16RM | 4+E | 35 | 7/2.46 | 32.8 | 415.5 | 1324 |
| NAYY4X50+1X25RM | 4+E | 50 | 7/2.85 | 37.4 | 567.3 | 1738 |
| NAYY4X50+1X16RM | 4+E | 50 | 7/2.85 | 37.4 | 543 | 1729 |
| NAYY4X70+1X25RM | 4+E | 70 | 19/2.09 | 43.6 | 782.5 | 2332 |
| NAYY4X70+1X35RM | 4+E | 70 | 19/2.09 | 43.6 | 808.4 | 2342 |
| NAYY4X70+1X50RM | 4+E | 70 | 19/2.09 | 43.6 | 840.3 | 2355 |
| NAYY4X95+1X35RM | 4+E | 95 | 19/2.49 | 49.6 | 1092.2 | 3054 |
| NAYY4X95+1X50RM | 4+E | 95 | 19/2.49 | 49.6 | 1124.1 | 3067 |
| NAYY4X95+1X70RM | 4+E | 95 | 19/2.49 | 49.6 | 1177.9 | 3082 |
| NAYY4X120+1X70RM | 4+E | 120 | 19/2.8 | 54.5 | 1454.4 | 3717 |
| NAYY4X120+1X35RM | 4+E | 120 | 19/2.8 | 54.5 | 1368.7 | 3689 |
| NAYY4X150+1X70RM | 4+E | 150 | 37/2.21 | 59.9 | 1736.3 | 4493 |
| NAYY4X150+1X50RM | 4+E | 150 | 37/2.21 | 59.9 | 1682.5 | 4478 |
| NAYY4X185+1X95RM | 4+E | 185 | 37/2.46 | 66 | 2179.6 | 5469 |
| NAYY4X185+1X50RM | 4+E | 185 | 37/2.46 | 66 | 2054.8 | 5429 |
| NAYY4X185+1X120RM | 4+E | 185 | 37/2.46 | 66 | 2248.7 | 5492 |
| NAYY4X240+1X185RM | 4+E | 240 | 37/2.82 | 74.9 | 3018.4 | 7111 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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 | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XY1X10RE | 1 | 10 | 7/1.31 | 10.1 | 84 | 188 |
| N2XY1X16RM | 1 | 16 | 7/1.67 | 11.6 | 138 | 266 |
| N2XY1X25RM | 1 | 25 | 7/2.09 | 13.3 | 216 | 374 |
| N2XY1X35RM | 1 | 35 | 7/2.48 | 14.4 | 299 | 475 |
| N2XY1X50RM | 1 | 50 | 19/1.76 | 16.1 | 408 | 619 |
| N2XY1X70RM | 1 | 70 | 19/2.13 | 18.2 | 590 | 840 |
| N2XY1X95RM | 1 | 95 | 19/2.48 | 20.3 | 814 | 1105 |
| N2XY1X120RM | 1 | 120 | 37/2.01 | 22.2 | 1030 | 1366 |
| N2XY1X150RM | 1 | 150 | 37/2.21 | 24.1 | 1249 | 1630 |
| N2XY1X185RM | 1 | 185 | 37/2.48 | 26.4 | 1548 | 1994 |
| N2XY1X240RM | 1 | 240 | 37/2.84 | 29.3 | 2034 | 2556 |
| N2XY1X300RM | 1 | 300 | 61/2.48 | 33.0 | 2620 | 3274 |
| N2XY1X400RM | 1 | 400 | 61/2.85 | 37.2 | 3474 | 4270 |
| N2XY1X500RM | 1 | 500 | 61/3.2 | 40.8 | 4319 | 5238 |
| N2XY1X625RM | 1 | 630 | 91/2.95 | 44.6 | 5437 | 6493 |
| N2XY1X800RM | 1 | 800 | 91/3.3 | 49.7 | 6991 | 8247 |
| N2XY1X1000RM | 1 | 1000 | 91/3.71 | 55.2 | 8932 | 10418 |
| 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 | 7/1.31 | 15.7 | 171 | 438 |
| N2XY2X16RM | 2 | 16 | 7/1.67 | 18.8 | 280 | 648 |
| N2XY2X25RM | 2 | 25 | 7/2.09 | 22.1 | 439 | 935 |
| 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 | 2220 |

Temperature limits:

- 20°C - + 70°C

Max. temperature of conductor: + 90°C

Short-circuit temperature:

- For cross-sections up to 300mm - + 160°C

- For cross-section over 300mm - + 140°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/Yel

low – Brown – Blue

- 4 cores: Green/Yel

low – Grey – Black –

Brown

- 5 cores: Green/Yel

low – Grey – Black –

Brown – Blue

We reserve the right to make technical alterations and misprint without prior notice.



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XY2X95RM | 2 | 95 | 19/2.48 | 36.5 | 1657 | 2904 |
| N2XY2X120RM | 2 | 120 | 37/2.01 | 40.4 | 2081 | 3594 |
| N2XY2X150RM | 2 | 150 | 37/2.21 | 44.3 | 2541 | 4351 |
| N2XY2X185RM | 2 | 185 | 37/2.48 | 48.8 | 3149 | 5326 |
| N2XY2X240RM | 2 | 240 | 37/2.84 | 54.9 | 4138 | 6856 |
| N2XY2X400RM | 2 | 400 | 61/2.85 | 69.7 | 7066 | 11361 |
| 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 | 7/1.31 | 16.5 | 257 | 532 |
| N2XY3X16RM | 3 | 16 | 7/1.67 | 19.8 | 420 | 797 |
| N2XY3X25RM | 3 | 25 | 7/2.09 | 23.4 | 658 | 1164 |
| N2XY3X35RM | 3 | 35 | 7/2.48 | 25.8 | 912 | 1505 |
| N2XY3X50RM | 3 | 50 | 19/1.76 | 29.2 | 1246 | 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 | 7/1.31 | 17.8 | 342 | 651 |
| N2XY4X16RM | 4 | 16 | 7/1.67 | 21.5 | 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 | 32.8 | 1661 | 2571 |
| N2XY4X70RM | 4 | 70 | 19/2.13 | 38.3 | 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 | 7197 |
| N2XY4X185RM | 4 | 185 | 37/2.48 | 58.1 | 6298 | 8865 |
| N2XY4X240RM | 4 | 240 | 37/2.84 | 65.7 | 8276 | 11515 |
| N2XY5X1/5RE | 5 | 1.5 | 1/1.36 | 13.5 | 66 | 264 |
| N2XY5X2/5RE | 5 | 2.5 | 1/1.73 | 14.5 | 106 | 329 |
| N2XY5X4RE | 5 | 4 | 1/2.2 | 15.7 | 172 | 428 |
| N2XY5X6RE | 5 | 6 | 1/2.7 | 17.1 | 259 | 552 |
| N2XY5X10RE | 5 | 10 | 7/1.31 | 19.1 | 428 | 780 |



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XY5X16RM | 5 | 16 | 7/1.67 | 23.3 | 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 | 2077 | 3158 |
| 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 | 7318 |
| N2XY5X150RM | 5 | 150 | 37/2.21 | 58.1 | 6353 | 8916 |
| N2XY5X185RM | 5 | 185 | 37/2.48 | 64.9 | 7872 | 11079 |
| N2XY5X240RM | 5 | 240 | 37/2.84 | 72.7 | 10345 | 14260 |
| N2XY2X2/5+1X1/5RE | 2+E | 2.5 | 1/1.73 | 12.7 | 56 | 237 |
| N2XY2X10+1X4RE | 2+E | 10 | 7/1.31 | 16.5 | 205 | 492 |
| N2XY2X10+1X6RE | 2+E | 10 | 7/1.31 | 16.5 | 223 | 506 |
| N2XY3X2/5+1X1/5RE | 3+E | 2.5 | 1/1.73 | 13.6 | 77 | 278 |
| N2XY3X4+1X2/5RE | 3+E | 4 | 1/2.2 | 14.7 | 124 | 355 |
| N2XY3X6+1X4RE | 3+E | 6 | 1/2.7 | 15.9 | 190 | 452 |
| N2XY3X10+1X6RE | 3+E | 10 | 7/1.31 | 17.8 | 308 | 625 |
| N2XY3X16+1X10RM | 3+E | 16 | 7/1.67 | 21.5 | 506 | 948 |
| N2XY3X25+1X10RM | 3+E | 25 | 7/2.09 | 25.5 | 744 | 1360 |
| N2XY3X25+1X16RM | 3+E | 25 | 7/2.09 | 25.5 | 798 | 1396 |
| N2XY3X35+1X16RM | 3+E | 35 | 7/2.48 | 28.4 | 1052 | 1784 |
| N2XY3X35+1X25RM | 3+E | 35 | 7/2.48 | 28.4 | 1131 | 1840 |
| N2XY3X50+1X25RM | 3+E | 50 | 19/1.76 | 32.8 | 1463 | 2425 |
| N2XY3X50+1X35RM | 3+E | 50 | 19/1.76 | 32.8 | 1547 | 2487 |
| N2XY3X70+1X25RM | 3+E | 70 | 19/2.13 | 38.3 | 2021 | 3325 |
| N2XY3X70+1X35RM | 3+E | 70 | 19/2.13 | 38.3 | 2105 | 3388 |
| N2XY3X70+1X50RM | 3+E | 70 | 19/2.13 | 38.3 | 2221 | 3473 |
| N2XY3X95+1X35RM | 3+E | 95 | 19/2.48 | 43.0 | 2789 | 4383 |
| N2XY3X95+1X50RM | 3+E | 95 | 19/2.48 | 43.0 | 2904 | 4467 |
| N2XY3X95+1X70RM | 3+E | 95 | 19/2.48 | 43.0 | 3085 | 4593 |
| N2XY3X120+1X35RM | 3+E | 120 | 37/2.01 | 47.6 | 3426 | 5379 |
| N2XY3X120+1X50RM | 3+E | 120 | 37/2.01 | 47.6 | 3541 | 5463 |
| N2XY3X120+1X70RM | 3+E | 120 | 37/2.01 | 47.6 | 3722 | 5590 |
| N2XY3X120+1X95RM | 3+E | 120 | 37/2.01 | 47.6 | 3950 | 5758 |
| N2XY3X150+1X35RM | 3+E | 150 | 37/2.21 | 52.5 | 4116 | 6473 |
| N2XY3X150+1X50RM | 3+E | 150 | 37/2.21 | 52.5 | 4231 | 6587 |
| N2XY3X150+1X70RM | 3+E | 150 | 37/2.21 | 52.5 | 4412 | 6713 |
| N2XY3X185+1X35RM | 3+E | 185 | 37/2.48 | 58.1 | 5027 | 7953 |
| N2XY3X185+1X95RM | 3+E | 185 | 37/2.48 | 58.1 | 5552 | 8332 |
| N2XY3X185+1X50RM | 3+E | 185 | 37/2.48 | 58.1 | 5143 | 8035 |
| N2XY3X185+1X70RM | 3+E | 185 | 37/2.48 | 58.1 | 5324 | 8104 |



continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XY3X185+1X120RM | 3+E | 185 | 37/2.48 | 58.1 | 5764 | 8484 |
| N2XY3X240+1X50RM | 3+E | 240 | 37/2.84 | 65.7 | 6626 | 10326 |
| N2XY3X240+1X120RM | 3+E | 240 | 37/2.84 | 65.7 | 7247 | 10773 |
| N2XY3X240+1X150RM | 3+E | 240 | 37/2.84 | 65.7 | 7477 | 10937 |
| N2XY4X2/5+1X1/5RE | 4+E | 2.5 | 1/1.73 | 14.5 | 98 | 323 |
| N2XY4X4+1X2/5RE | 4+E | 4 | 1/2.2 | 15.7 | 159 | 418 |
| N2XY4X6+1X4RE | 4+E | 6 | 1/2.7 | 17.1 | 242 | 539 |
| N2XY4X6+1X2/5RE | 4+E | 6 | 1/2.7 | 17.1 | 228 | 529 |
| N2XY4X10+1X6RE | 4+E | 10 | 7/1.31 | 19.1 | 394 | 754 |
| N2XY4X10+1X4RE | 4+E | 10 | 7/1.31 | 19.1 | 377 | 741 |
| N2XY4X16+1X10RM | 4+E | 16 | 7/1.67 | 23.3 | 646 | 1154 |
| N2XY4X16+1X6RM | 4+E | 16 | 7/1.67 | 23.3 | 612 | 1128 |
| N2XY4X25+1X16RM | 4+E | 25 | 7/2.09 | 28.0 | 1018 | 1725 |
| N2XY4X25+1X10RM | 4+E | 25 | 7/2.09 | 28.0 | 963 | 1688 |
| N2XY4X35+1X16RM | 4+E | 35 | 7/2.48 | 31.2 | 1356 | 2219 |
| N2XY4X50+1X25RM | 4+E | 50 | 19/1.76 | 36.0 | 1879 | 3012 |
| N2XY4X50+1X16RM | 4+E | 50 | 19/1.76 | 36.0 | 1800 | 2957 |
| N2XY4X70+1X25RM | 4+E | 70 | 19/2.13 | 42.2 | 2621 | 4156 |
| N2XY4X70+1X35RM | 4+E | 70 | 19/2.13 | 42.2 | 2706 | 4219 |
| N2XY4X70+1X50RM | 4+E | 70 | 19/2.13 | 42.2 | 2821 | 4303 |
| N2XY4X95+1X35RM | 4+E | 95 | 19/2.48 | 47.6 | 3617 | 5515 |
| N2XY4X95+1X50RM | 4+E | 95 | 19/2.48 | 47.6 | 3733 | 5599 |
| N2XY4X95+1X70RM | 4+E | 95 | 19/2.48 | 47.6 | 3914 | 5726 |
| N2XY4X120+1X70RM | 4+E | 120 | 37/2.01 | 52.7 | 4763 | 6997 |
| N2XY4X120+1X35RM | 4+E | 120 | 37/2.01 | 52.7 | 4467 | 6787 |
| N2XY4X150+1X70RM | 4+E | 150 | 37/2.21 | 58.1 | 5683 | 8432 |
| N2XY4X150+1X50RM | 4+E | 150 | 37/2.21 | 58.1 | 5502 | 8306 |
| N2XY4X185+1X95RM | 4+E | 185 | 37/2.48 | 64.9 | 7126 | 10546 |
| N2XY4X185+1X50RM | 4+E | 185 | 37/2.48 | 64.9 | 6717 | 10251 |
| N2XY4X185+1X120RM | 4+E | 185 | 37/2.48 | 64.9 | 7338 | 10699 |
| N2XY4X240+1X185RM | 4+E | 240 | 37/2.84 | 72.7 | 9850 | 13899 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



NYBY PVC, PVC, STA, PVC ARMORED CABLE

PVC insulated and PVC sheathed steel tapes armored cables for power networks, underground, outdoors, in water, indoors and in cable ducts if greater mechanical protection is required.

Manufactured to: HD603 S1; IEC 60502-1-2

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYBY2X16RM | 2 | 16 | 7/1.67 | 21 | 280 | 860 |
| NYBY2X25RM | 2 | 25 | 7/2.09 | 24 | 439 | 1184 |
| NYBY2X35RM | 2 | 35 | 7/2.48 | 26 | 608 | 1464 |
| NYBY2X50RM | 2 | 50 | 19/1.76 | 30 | 839 | 1906 |
| NYBY2X70RM | 2 | 70 | 19/2.13 | 35 | 1201 | 2562 |
| NYBY2X95RM | 2 | 95 | 19/2.48 | 40 | 1657 | 3635 |
| NYBY2X120RM | 2 | 120 | 37/2.01 | 44 | 2081 | 4324 |
| NYBY2X150RM | 2 | 150 | 37/2.21 | 48 | 2541 | 5146 |
| NYBY2X185RM | 2 | 185 | 37/2.48 | 52 | 3149 | 6219 |
| NYBY2X240RM | 2 | 240 | 37/2.84 | 59 | 4138 | 7951 |
| NYBY3X16RM | 3 | 16 | 7/1.67 | 22 | 420 | 1032 |
| NYBY3X25RM | 3 | 25 | 7/2.09 | 25 | 658 | 1446 |
| NYBY3X35RM | 3 | 35 | 7/2.48 | 28 | 912 | 1826 |
| NYBY3X50RM | 3 | 50 | 19/1.76 | 32 | 1258 | 2396 |
| NYBY3X70RM | 3 | 70 | 19/2.13 | 38 | 1801 | 3482 |
| NYBY3X95RM | 3 | 95 | 19/2.48 | 43 | 2485 | 4570 |
| NYBY3X120RM | 3 | 120 | 37/2.01 | 46 | 3122 | 5473 |
| NYBY3X150RM | 3 | 150 | 37/2.21 | 51 | 3812 | 6539 |
| NYBY3X185RM | 3 | 185 | 37/2.48 | 56 | 4723 | 8014 |
| NYBY3X240RM | 3 | 240 | 37/2.84 | 63 | 6207 | 10176 |
| NYBY4X10RE | 4 | 10 | 7/1.31 | 20 | 342 | 863 |
| NYBY4X16RM | 4 | 16 | 7/1.67 | 24 | 560 | 1243 |
| NYBY4X25RM | 4 | 25 | 7/2.09 | 28 | 878 | 1784 |
| NYBY4X35RM | 4 | 35 | 7/2.48 | 31 | 1216 | 2267 |
| NYBY4X50RM | 4 | 50 | 19/1.76 | 35 | 1678 | 2989 |
| NYBY4X70RM | 4 | 70 | 19/2.13 | 41 | 2402 | 4321 |
| NYBY4X95RM | 4 | 95 | 19/2.48 | 47 | 3313 | 5698 |

Temperature limits: - 30°C - + 70°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/Yel low - Brown - Blue
- 4 cores: Green/Yel low - Grey - Black - Brown
- 5 cores: Green/Yel low - 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

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYBY4X120RM | 4 | 120 | 37/2.01 | 51 | 4163 | 6848 |
| NYBY4X150RM | 4 | 150 | 37/2.21 | 56 | 5083 | 8231 |
| NYBY4X185RM | 4 | 185 | 37/2.48 | 62 | 6298 | 10092 |
| NYBY4X240RM | 4 | 240 | 37/2.84 | 70 | 8276 | 12853 |
| NYBY5X10RE | 5 | 10 | 7/1.31 | 22 | 428 | 1007 |
| 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 | 5232 |
| NYBY5X95RM | 5 | 95 | 19/2.48 | 52 | 4142 | 6922 |
| NYBY5X120RM | 5 | 120 | 37/2.01 | 56 | 5203 | 8366 |
| NYBY5X150RM | 5 | 150 | 37/2.21 | 62 | 6353 | 10067 |
| NYBY5X185RM | 5 | 185 | 37/2.48 | 69 | 7872 | 12347 |
| NYBY5X240RM | 5 | 240 | 37/2.84 | 77 | 10345 | 15791 |
| NYBY3X10+1X6RE | 3+E | 10 | 7/1.31 | 20 | 307 | 833 |
| NYBY3X16+1X10RM | 3+E | 16 | 7/1.67 | 24 | 506 | 1199 |
| NYBY3X25+1X10RM | 3+E | 25 | 7/2.09 | 28 | 744 | 1676 |
| NYBY3X25+1X16RM | 3+E | 25 | 7/2.09 | 28 | 798 | 1719 |
| NYBY3X35+1X16RM | 3+E | 35 | 7/2.48 | 31 | 1052 | 2133 |
| NYBY3X35+1X25RM | 3+E | 35 | 7/2.48 | 31 | 1131 | 2197 |
| NYBY3X50+1X25RM | 3+E | 50 | 19/1.76 | 35 | 1478 | 2825 |
| NYBY3X50+1X35RM | 3+E | 50 | 19/1.76 | 35 | 1562 | 2894 |
| NYBY3X70+1X25RM | 3+E | 70 | 19/2.13 | 41 | 2021 | 4016 |
| NYBY3X70+1X35RM | 3+E | 70 | 19/2.13 | 41 | 2105 | 4086 |
| NYBY3X70+1X50RM | 3+E | 70 | 19/2.13 | 41 | 2221 | 4180 |
| NYBY3X95+1X35RM | 3+E | 95 | 19/2.48 | 47 | 2789 | 5279 |
| NYBY3X95+1X50RM | 3+E | 95 | 19/2.48 | 47 | 2904 | 5374 |
| NYBY3X95+1X70 RM | 3+E | 95 | 19/2.48 | 47 | 3085 | 5515 |
| NYBY3X120+1X35RM | 3+E | 120 | 37/2.01 | 51 | 3426 | 6262 |
| NYBY3X120+1X50RM | 3+E | 120 | 37/2.01 | 51 | 3541 | 6356 |
| NYBY3X120+1X70RM | 3+E | 120 | 37/2.01 | 51 | 3722 | 6497 |
| NYBY3X120+1X95RM | 3+E | 120 | 37/2.01 | 51 | 3950 | 6680 |
| NYBY3X150+1X35RM | 3+E | 150 | 37/2.21 | 56 | 4116 | 7460 |
| NYBY3X150+1X50RM | 3+E | 150 | 37/2.21 | 56 | 4231 | 7554 |
| NYBY3X150+1X70RM | 3+E | 150 | 37/2.21 | 56 | 4412 | 7695 |
| NYBY3X185+1X35RM | 3+E | 185 | 37/2.48 | 62 | 5027 | 9078 |
| NYBY3X185+1X95RM | 3+E | 185 | 37/2.48 | 62 | 5552 | 9496 |
| NYBY3X185+1X50RM | 3+E | 185 | 37/2.48 | 62 | 5143 | 9172 |
| NYBY3X185+1X70RM | 3+E | 185 | 37/2.48 | 62 | 5324 | 9267 |
| NYBY3X185+1X120RM | 3+E | 185 | 37/2.48 | 62 | 5764 | 9654 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

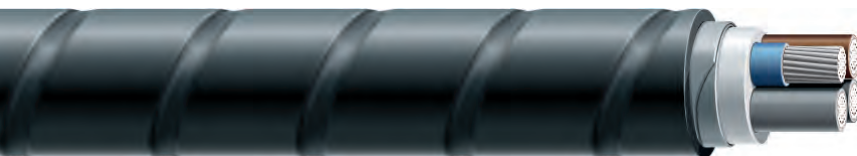
| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYBY3X240+1X50RM | 3+E | 240 | 37/2.84 | 70 | 6626 | 11536 |
| NYBY3X240+1X120RM | 3+E | 240 | 37/2.84 | 70 | 7247 | 12018 |
| NYBY3X240+1X150RM | 3+E | 240 | 37/2.84 | 70 | 7477 | 12199 |
| NYBY4X10+1X6RE | 4+E | 10 | 7/1.31 | 22 | 392 | 977 |
| NYBY4X10+1X4RE | 4+E | 10 | 7/1.31 | 22 | 376 | 963 |
| NYBY4X16+1X10RM | 4+E | 16 | 7/1.67 | 26 | 646 | 1419 |
| NYBY4X16+1X6RM | 4+E | 16 | 7/1.67 | 26 | 616 | 1389 |
| NYBY4X25+1X16RM | 4+E | 25 | 7/2.09 | 31 | 1018 | 2089 |
| NYBY4X25+1X10RM | 4+E | 25 | 7/2.09 | 31 | 966 | 2046 |
| NYBY4X35+1X16RM | 4+E | 35 | 7/2.48 | 34 | 1356 | 2614 |
| NYBY4X50+1X25 RM | 4+E | 50 | 19/1.76 | 39 | 1897 | 3727 |
| NYBY4X50+1X16RM | 4+E | 50 | 19/1.76 | 39 | 1818 | 3662 |
| NYBY4X70+1X25RM | 4+E | 70 | 19/2.13 | 45 | 2621 | 4929 |
| NYBY4X70+1X35RM | 4+E | 70 | 19/2.13 | 45 | 2706 | 4997 |
| NYBY4X70+1X50RM | 4+E | 70 | 19/2.13 | 45 | 2821 | 5091 |
| NYBY4X95+1X35RM | 4+E | 95 | 19/2.48 | 52 | 3617 | 6503 |
| NYBY4X95+1X50RM | 4+E | 95 | 19/2.48 | 52 | 3733 | 6598 |
| NYBY4X95+1X70RM | 4+E | 95 | 19/2.48 | 52 | 3914 | 6739 |
| NYBY4X120+1X70RM | 4+E | 120 | 37/2.01 | 57 | 4763 | 8099 |
| NYBY4X120+1X35RM | 4+E | 120 | 37/2.01 | 57 | 4467 | 7864 |
| NYBY4X150+1X70RM | 4+E | 150 | 37/2.21 | 62 | 5683 | 9622 |
| NYBY4X150+1X50RM | 4+E | 150 | 37/2.21 | 62 | 5502 | 9481 |
| NYBY4X185+1X95RM | 4+E | 185 | 37/2.48 | 69 | 7126 | 11751 |
| NYBY4X185+1X50RM | 4+E | 185 | 37/2.48 | 69 | 6717 | 11427 |
| NYBY4X185+1X120RM | 4+E | 185 | 37/2.48 | 69 | 7338 | 11919 |
| NYBY4X240+1X185RM | 4+E | 240 | 37/2.84 | 77 | 9850 | 15396 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



NAYBY ALUMINUM CONDUCTOR PVC, PVC, STA, PVC ARMORED CABLE

Aluminum conductor 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 | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYBY2X16RM | 2 | 16 | 7/1.67 | 21 | 86 | 688 |
| NAYBY2X25RM | 2 | 25 | 7/2.09 | 25 | 134 | 904 |
| NAYBY2X35RM | 2 | 35 | 7/2.46 | 27 | 186 | 1069 |
| NAYBY2X50RM | 2 | 50 | 7/2.85 | 30 | 250 | 1334 |
| NAYBY2X70RM | 2 | 70 | 19/2.09 | 35 | 358 | 1751 |
| NAYBY2X95RM | 2 | 95 | 19/2.49 | 41 | 500 | 2525 |
| NAYBY2X120RM | 2 | 120 | 19/2.8 | 44 | 638 | 2947 |
| NAYBY2X150RM | 2 | 150 | 37/2.21 | 48 | 779 | 3456 |
| NAYBY2X185RM | 2 | 185 | 37/2.46 | 53 | 965 | 4113 |
| NAYBY2X240RM | 2 | 240 | 37/2.82 | 60 | 1268 | 5168 |
| NAYBY3X16RM | 3 | 16 | 7/1.67 | 22 | 129 | 764 |
| NAYBY3X25RM | 3 | 25 | 7/2.09 | 26 | 202 | 1016 |
| NAYBY3X35RM | 3 | 35 | 7/2.46 | 28 | 279 | 1222 |
| NAYBY3X50RM | 3 | 50 | 7/2.85 | 32 | 375 | 1530 |
| NAYBY3X70RM | 3 | 70 | 19/2.09 | 38 | 536 | 2255 |
| NAYBY3X95RM | 3 | 95 | 19/2.49 | 43 | 749 | 2885 |
| NAYBY3X120RM | 3 | 120 | 19/2.8 | 47 | 957 | 3379 |
| NAYBY3X150RM | 3 | 150 | 37/2.21 | 51 | 1168 | 3972 |
| NAYBY3X185RM | 3 | 185 | 37/2.46 | 56 | 1447 | 4738 |
| NAYBY3X240RM | 3 | 240 | 37/2.82 | 64 | 1902 | 5964 |
| NAYBY4X10RE | 4 | 10 | 1/3.45 | 20 | 103 | 643 |
| NAYBY4X16RM | 4 | 16 | 7/1.67 | 24 | 172 | 879 |
| NAYBY4X25RM | 4 | 25 | 7/2.09 | 28 | 269 | 1204 |
| NAYBY4X35RM | 4 | 35 | 7/2.46 | 31 | 373 | 1455 |
| NAYBY4X50RM | 4 | 50 | 7/2.85 | 35 | 500 | 1829 |

Temperature limits: - 30°C - + 70°C
 Max. temperature of conductor: + 70°C
 Short-circuit temperature: + 160°C
 Bending radius: 12 x overall diameter.
 Colors available: Black.
 Core Identification:
 NAYBY -J:
 - 3 cores: Green/Yel low - Brown - Blue
 - 4 cores: Green/Yel low - Grey - Black - Brown
 - 5 cores: Green/Yel low - Grey - Black - Brown - Blue
 NAYBY-O
 - 2 cores: Brown - Blue
 - 3 cores: Brown - Black - Grey
 - 4 cores: Blue - Brown - Black - Grey
 - 5 cores: Blue - Brown - Black - Grey - Black



Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | AI Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYBY4X70RM | 4 | 70 | 19/2.09 | 42 | 715 | 2674 |
| NAYBY4X95RM | 4 | 95 | 19/2.49 | 48 | 999 | 3437 |
| NAYBY4X120RM | 4 | 120 | 19/2.8 | 52 | 1276 | 4038 |
| NAYBY4X150RM | 4 | 150 | 37/2.21 | 57 | 1557 | 4789 |
| NAYBY4X185RM | 4 | 185 | 37/2.46 | 63 | 1930 | 5816 |
| NAYBY4X240RM | 4 | 240 | 37/2.82 | 70 | 2536 | 7215 |
| NAYBY5X10RE | 5 | 10 | 1/3.45 | 22 | 128 | 728 |
| NAYBY5X16RM | 5 | 16 | 7/1.67 | 26 | 215 | 1003 |
| NAYBY5X25RM | 5 | 25 | 7/2.09 | 31 | 336 | 1424 |
| NAYBY5X35RM | 5 | 35 | 7/2.46 | 34 | 466 | 1710 |
| NAYBY5X50RM | 5 | 50 | 7/2.85 | 39 | 625 | 2437 |
| NAYBY5X70RM | 5 | 70 | 19/2.09 | 46 | 894 | 3165 |
| NAYBY5X95RM | 5 | 95 | 19/2.49 | 52 | 1249 | 4086 |
| NAYBY5X120RM | 5 | 120 | 19/2.8 | 57 | 1594 | 4841 |
| NAYBY5X150RM | 5 | 150 | 37/2.21 | 62 | 1947 | 5751 |
| NAYBY5X185RM | 5 | 185 | 37/2.46 | 69 | 2412 | 6988 |
| NAYBY5X240RM | 5 | 240 | 37/2.82 | 78 | 3170 | 8803 |
| NAYBY3X10+1X6RE | 3+E | 10 | 1/3.45 | 20 | 92 | 638 |
| NAYBY3X16+1X10RM | 3+E | 16 | 7/1.67 | 24 | 155 | 873 |
| NAYBY3X25+1X10RM | 3+E | 25 | 7/2.09 | 28 | 228 | 1188 |
| NAYBY3X25+1X16RM | 3+E | 25 | 7/2.09 | 28 | 245 | 1194 |
| NAYBY3X35+1X16RM | 3+E | 35 | 7/2.46 | 31 | 322 | 1435 |
| NAYBY3X35+1X25RM | 3+E | 35 | 7/2.46 | 31 | 347 | 1444 |
| NAYBY3X50+1X25RM | 3+E | 50 | 7/2.85 | 35 | 442 | 1806 |
| NAYBY3X50+1X35RM | 3+E | 50 | 7/2.85 | 35 | 468 | 1817 |
| NAYBY3X70+1X25RM | 3+E | 70 | 19/2.09 | 42 | 604 | 2635 |
| NAYBY3X70+1X35RM | 3+E | 70 | 19/2.09 | 42 | 630 | 2646 |
| NAYBY3X70+1X50RM | 3+E | 70 | 19/2.09 | 42 | 661 | 2654 |
| NAYBY3X95+1X35RM | 3+E | 95 | 19/2.49 | 48 | 842 | 3384 |
| NAYBY3X95+1X50RM | 3+E | 95 | 19/2.49 | 48 | 874 | 3392 |
| NAYBY3X95+1X70 RM | 3+E | 95 | 19/2.49 | 48 | 928 | 3412 |
| NAYBY3X120+1X35RM | 3+E | 120 | 19/2.8 | 52 | 1050 | 3963 |
| NAYBY3X120+1X50RM | 3+E | 120 | 19/2.8 | 52 | 1082 | 3971 |
| NAYBY3X120+1X70RM | 3+E | 120 | 19/2.8 | 52 | 1135 | 3986 |
| NAYBY3X120+1X95RM | 3+E | 120 | 19/2.8 | 52 | 1206 | 4007 |
| NAYBY3X150+1X35RM | 3+E | 150 | 37/2.21 | 57 | 1261 | 4665 |
| NAYBY3X150+1X50RM | 3+E | 150 | 37/2.21 | 57 | 1293 | 4696 |
| NAYBY3X150+1X70RM | 3+E | 150 | 37/2.21 | 57 | 1347 | 4711 |
| NAYBY3X185+1X35RM | 3+E | 185 | 37/2.46 | 62 | 1540 | 5590 |
| NAYBY3X185+1X95RM | 3+E | 185 | 37/2.46 | 62 | 1697 | 5636 |
| NAYBY3X185+1X50RM | 3+E | 185 | 37/2.46 | 62 | 1572 | 5599 |



continuation of a table

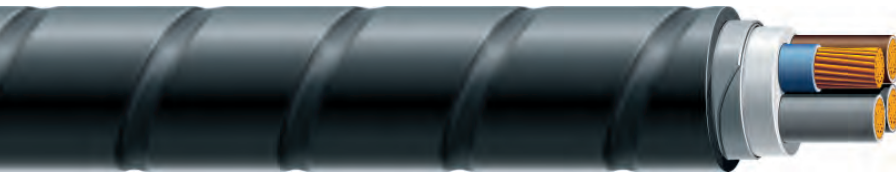
| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Al Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NAYBY3X185+1X70RM | 3+E | 185 | 37/2.46 | 62 | 1626 | 5564 |
| NAYBY3X185+1X120RM | 3+E | 185 | 37/2.46 | 62 | 1766 | 5656 |
| NAYBY3X240+1X50RM | 3+E | 240 | 37/2.82 | 70 | 2027 | 7036 |
| NAYBY3X240+1X120RM | 3+E | 240 | 37/2.82 | 70 | 2221 | 7093 |
| NAYBY3X240+1X150RM | 4+E | 240 | 37/2.82 | 70 | 2291 | 7115 |
| NAYBY4X10+1X6RE | 4+E | 10 | 1/3.45 | 22 | 118 | 723 |
| NAYBY4X10+1X4RE | 4+E | 10 | 1/3.45 | 22 | 113 | 721 |
| NAYBY4X16+1X10RM | 4+E | 16 | 7/1.67 | 26 | 198 | 997 |
| NAYBY4X16+1X6RM | 4+E | 16 | 7/1.67 | 26 | 187 | 992 |
| NAYBY4X25+1X16RM | 4+E | 25 | 7/2.09 | 31 | 312 | 1414 |
| NAYBY4X25+1X10RM | 4+E | 25 | 7/2.09 | 31 | 295 | 1408 |
| NAYBY4X35+1X16RM | 4+E | 35 | 7/2.46 | 34 | 415 | 1707 |
| NAYBY4X50+1X25 RM | 4+E | 50 | 7/2.85 | 39 | 567 | 2414 |
| NAYBY4X50+1X16RM | 4+E | 50 | 7/2.85 | 39 | 543 | 2404 |
| NAYBY4X70+1X25RM | 4+E | 70 | 19/2.09 | 46 | 783 | 3127 |
| NAYBY4X70+1X35RM | 4+E | 70 | 19/2.09 | 46 | 808 | 3137 |
| NAYBY4X70+1X50RM | 4+E | 70 | 19/2.09 | 46 | 840 | 3149 |
| NAYBY4X95+1X35RM | 4+E | 95 | 19/2.49 | 52 | 1092 | 4032 |
| NAYBY4X95+1X50RM | 4+E | 95 | 19/2.49 | 52 | 1124 | 4045 |
| NAYBY4X95+1X70RM | 4+E | 95 | 19/2.49 | 52 | 1178 | 4060 |
| NAYBY4X120+1X70RM | 4+E | 120 | 19/2.8 | 57 | 1454 | 4794 |
| NAYBY4X120+1X35RM | 4+E | 120 | 19/2.8 | 57 | 1369 | 4766 |
| NAYBY4X150+1X70RM | 4+E | 150 | 37/2.21 | 62 | 1736 | 5679 |
| NAYBY4X150+1X50RM | 4+E | 150 | 37/2.21 | 62 | 1683 | 5663 |
| NAYBY4X185+1X95RM | 4+E | 185 | 37/2.46 | 69 | 2180 | 6908 |
| NAYBY4X185+1X50RM | 4+E | 185 | 37/2.46 | 69 | 2055 | 6867 |
| NAYBY4X185+1X120RM | 4+E | 185 | 37/2.46 | 69 | 2249 | 6930 |
| NAYBY4X240+1X185RM | 4+E | 240 | 37/2.82 | 78 | 3018 | 8750 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



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, in water, indoors and in cable ducts if greater mechanical protection is required. Manufactured to: HD603 S1; IEC 60502-1-2

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XBY2X16RM | 2 | 16 | 7/1.67 | 18.8 | 280 | 648 |
| N2XBY2X25RM | 2 | 25 | 7/2.09 | 22.1 | 439 | 935 |
| N2XBY2X35RM | 2 | 35 | 7/2.48 | 24.4 | 608 | 1194 |
| N2XBY2X50RM | 2 | 50 | 19/1.76 | 27.3 | 831 | 1554 |
| N2XBY2X70RM | 2 | 70 | 19/2.13 | 32.6 | 1201 | 2220 |
| N2XBY2X95RM | 2 | 95 | 19/2.48 | 36.5 | 1657 | 2904 |
| N2XBY2X120RM | 2 | 120 | 37/2.01 | 40.4 | 2081 | 3594 |
| N2XBY2X150RM | 2 | 150 | 37/2.21 | 44.3 | 2541 | 4351 |
| N2XBY2X185RM | 2 | 185 | 37/2.48 | 48.8 | 3149 | 5326 |
| N2XBY2X240RM | 2 | 240 | 37/2.84 | 54.9 | 4138 | 6856 |
| N2XBY3X16RM | 3 | 16 | 7/1.67 | 19.8 | 420 | 797 |
| N2XBY3X25RM | 3 | 25 | 7/2.09 | 23.4 | 658 | 1164 |
| N2XBY3X35RM | 3 | 35 | 7/2.48 | 25.8 | 912 | 1505 |
| N2XBY3X50RM | 3 | 50 | 19/1.76 | 29.2 | 1246 | 1986 |
| N2XBY3X70RM | 3 | 70 | 19/2.13 | 34.8 | 1801 | 2837 |
| N2XBY3X95RM | 3 | 95 | 19/2.48 | 39 | 2485 | 3740 |
| N2XBY3X120RM | 3 | 120 | 37/2.01 | 42.9 | 3122 | 4617 |
| N2XBY3X150RM | 3 | 150 | 37/2.21 | 47.4 | 3812 | 5621 |
| N2XBY3X185RM | 3 | 185 | 37/2.48 | 52.2 | 4723 | 6893 |
| N2XBY3X240RM | 3 | 240 | 37/2.84 | 58.8 | 6207 | 8927 |
| N2XBY4X10RE | 4 | 10 | 7/1.31 | 17.8 | 342 | 651 |
| N2XBY4X16RM | 4 | 16 | 7/1.67 | 21.5 | 560 | 985 |
| N2XBY4X25RM | 4 | 25 | 7/2.09 | 25.5 | 878 | 1453 |
| N2XBY4X35RM | 4 | 35 | 7/2.48 | 28.4 | 1216 | 1903 |
| N2XBY4X50RM | 4 | 50 | 19/1.76 | 32.8 | 1661 | 2571 |
| N2XBY4X70RM | 4 | 70 | 19/2.13 | 38.3 | 2402 | 3599 |
| N2XBY4X95RM | 4 | 95 | 19/2.48 | 43 | 3313 | 4762 |

- Temperature limits:
 - 20°C - + 70°C
 Max. temperature of conductor: + 90°C
 - for cross-section up to 300mm² - + 160°C
 - for cross-section over 300mm² - + 140°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

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XBY4X120RM | 4 | 120 | 37/2.01 | 47.6 | 4163 | 5910 |
| N2XBY4X150RM | 4 | 150 | 37/2.21 | 52.5 | 5083 | 7197 |
| N2XBY4X185RM | 4 | 185 | 37/2.48 | 58.1 | 6298 | 8865 |
| N2XBY4X240RM | 4 | 240 | 37/2.84 | 65.7 | 8276 | 11515 |
| N2XBY5X10RE | 5 | 10 | 7/1.31 | 19.1 | 428 | 780 |
| N2XBY5X16RM | 5 | 16 | 7/1.67 | 23.3 | 700 | 1191 |
| N2XBY5X25RM | 5 | 25 | 7/2.09 | 28 | 1097 | 1781 |
| N2XBY5X35RM | 5 | 35 | 7/2.48 | 31.2 | 1520 | 2338 |
| N2XBY5X50RM | 5 | 50 | 19/1.76 | 36 | 2077 | 3158 |
| N2XBY5X70RM | 5 | 70 | 19/2.13 | 42.2 | 3002 | 4430 |
| N2XBY5X95RM | 5 | 95 | 19/2.48 | 47.6 | 4142 | 5894 |
| N2XBY5X120RM | 5 | 120 | 37/2.01 | 52.7 | 5203 | 7318 |
| N2XBY5X150RM | 5 | 150 | 37/2.21 | 58.1 | 6353 | 8916 |
| N2XBY5X185RM | 5 | 185 | 37/2.48 | 64.9 | 7872 | 11079 |
| N2XBY5X240RM | 5 | 240 | 37/2.84 | 72.7 | 10345 | 14260 |
| N2XBY3X10+1X6RE | 3+E | 10 | 7/1.31 | 17.8 | 308 | 625 |
| N2XBY3X16+1X10RM | 3+E | 16 | 7/1.67 | 21.5 | 506 | 948 |
| N2XBY3X25+1X10RM | 3+E | 25 | 7/2.09 | 25.5 | 744 | 1360 |
| N2XBY3X25+1X16RM | 3+E | 25 | 7/2.09 | 25.5 | 798 | 1396 |
| N2XBY3X35+1X16RM | 3+E | 35 | 7/2.48 | 28.4 | 1052 | 1784 |
| N2XBY3X35+1X25RM | 3+E | 35 | 7/2.48 | 28.4 | 1131 | 1840 |
| N2XBY3X50+1X25RM | 3+E | 50 | 19/1.76 | 32.8 | 1463 | 2425 |
| N2XBY3X50+1X35RM | 3+E | 50 | 19/1.76 | 32.8 | 1547 | 2487 |
| N2XBY3X70+1X25RM | 3+E | 70 | 19/2.13 | 38.3 | 2021 | 3325 |
| N2XBY3X70+1X35RM | 3+E | 70 | 19/2.13 | 38.3 | 2105 | 3388 |
| N2XBY3X70+1X50RM | 3+E | 70 | 19/2.13 | 38.3 | 2221 | 3473 |
| N2XBY3X95+1X35RM | 3+E | 95 | 19/2.48 | 43 | 2789 | 4383 |
| N2XBY3X95+1X50RM | 3+E | 95 | 19/2.48 | 43 | 2904 | 4467 |
| N2XBY3X95+1X70RM | 3+E | 95 | 19/2.48 | 43 | 3085 | 4593 |
| N2XBY3X120+1X35RM | 3+E | 120 | 37/2.01 | 47.6 | 3426 | 5379 |
| N2XBY3X120+1X50RM | 3+E | 120 | 37/2.01 | 47.6 | 3541 | 5463 |
| N2XBY3X120+1X70RM | 3+E | 120 | 37/2.01 | 47.6 | 3722 | 5590 |
| N2XBY3X120+1X95RM | 3+E | 120 | 37/2.01 | 47.6 | 3950 | 5758 |
| N2XBY3X150+1X35RM | 3+E | 150 | 37/2.21 | 52.5 | 4116 | 6473 |
| N2XBY3X150+1X50RM | 3+E | 150 | 37/2.21 | 52.5 | 4231 | 6587 |
| N2XBY3X150+1X70RM | 3+E | 150 | 37/2.21 | 52.5 | 4412 | 6713 |
| N2XBY3X185+1X35RM | 3+E | 185 | 37/2.48 | 58.1 | 5027 | 7953 |
| N2XBY3X185+1X95RM | 3+E | 185 | 37/2.48 | 58.1 | 5552 | 8332 |
| N2XBY3X185+1X50RM | 3+E | 185 | 37/2.48 | 58.1 | 5143 | 8035 |
| N2XBY3X185+1X70RM | 3+E | 185 | 37/2.48 | 58.1 | 5324 | 8104 |
| N2XBY3X185+1X120RM | 3+E | 185 | 37/2.48 | 58.1 | 5764 | 8484 |



continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XBY3X240+1X50RM | 3+E | 240 | 37/2.84 | 65.7 | 6626 | 10326 |
| N2XBY3X240+1X120RM | 3+E | 240 | 37/2.84 | 65.7 | 7247 | 10773 |
| N2XBY3X240+1X150RM | 4+E | 240 | 37/2.84 | 65.7 | 7477 | 10937 |
| N2XBY4X10+1X6RE | 4+E | 10 | 7/1.31 | 19.1 | 394 | 754 |
| N2XBY4X10+1X4RE | 4+E | 10 | 7/1.31 | 19.1 | 377 | 741 |
| N2XBY4X16+1X10RM | 4+E | 16 | 7/1.67 | 23.3 | 646 | 1154 |
| N2XBY4X16+1X6RM | 4+E | 16 | 7/1.67 | 23.3 | 612 | 1128 |
| N2XBY4X25+1X16RM | 4+E | 25 | 7/2.09 | 28 | 1018 | 1725 |
| N2XBY4X25+1X10RM | 4+E | 25 | 7/2.09 | 28 | 963 | 1688 |
| N2XBY4X35+1X16RM | 4+E | 35 | 7/2.48 | 31.2 | 1356 | 2219 |
| N2XBY4X50+1X25RM | 4+E | 50 | 19/1.76 | 36 | 1879 | 3012 |
| N2XBY4X50+1X16RM | 4+E | 50 | 19/1.76 | 36 | 1800 | 2957 |
| N2XBY4X70+1X25RM | 4+E | 70 | 19/2.13 | 42.2 | 2621 | 4156 |
| N2XBY4X70+1X35RM | 4+E | 70 | 19/2.13 | 42.2 | 2706 | 4219 |
| N2XBY4X70+1X50RM | 4+E | 70 | 19/2.13 | 42.2 | 2821 | 4303 |
| N2XBY4X95+1X35RM | 4+E | 95 | 19/2.48 | 47.6 | 3617 | 5515 |
| N2XBY4X95+1X50RM | 4+E | 95 | 19/2.48 | 47.6 | 3733 | 5599 |
| N2XBY4X95+1X70RM | 4+E | 95 | 19/2.48 | 47.6 | 3914 | 5726 |
| N2XBY4X120+1X70RM | 4+E | 120 | 37/2.01 | 52.7 | 4763 | 6997 |
| N2XBY4X120+1X35RM | 4+E | 120 | 37/2.01 | 52.7 | 4467 | 6787 |
| N2XBY4X150+1X70 | 4+E | 150 | 37/2.21 | 58.1 | 5683 | 8432 |
| N2XBY4X150+1X50 | 4+E | 150 | 37/2.21 | 58.1 | 5502 | 8306 |
| N2XBY4X185+1X95 | 4+E | 185 | 37/2.48 | 64.9 | 7126 | 10546 |
| N2XBY4X185+1X50 | 4+E | 185 | 37/2.48 | 64.9 | 6717 | 10251 |
| N2XBY4X185+1X120RM | 4+E | 185 | 37/2.48 | 64.9 | 7338 | 10699 |
| N2XBY4X240+1X185RM | 4+E | 240 | 37/2.84 | 72.7 | 9850 | 13899 |



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 | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| YVVK1X25 | 1 | 25 | 182/0.4 | 13.50 | 205.44 | 346.92 |
| YVVK3X1/5 | 3 | 1.5 | 30/0.238 | 12.49 | 36.58 | 212.02 |
| YVVK3X2/5 | 3 | 2.5 | 50/0.238 | 13.35 | 60.96 | 258.16 |
| YVVK3X4 | 3 | 4 | 50/0.3 | 15.51 | 96.86 | 359.46 |
| YVVK3X6 | 3 | 6 | 74/0.3 | 17.23 | 143.35 | 457.26 |
| YVVK4X6 | 4 | 6 | 74/0.3 | 18.64 | 191.14 | 551.65 |
| YVVK4X10 | 4 | 10 | 73/0.4 | 21.29 | 335.21 | 782.97 |
| YVVK5X4 | 5 | 4 | 50/0.3 | 18.02 | 161.44 | 509.42 |
| YVVK5X6 | 5 | 6 | 74/0.3 | 20.18 | 238.92 | 658.39 |
| YVVK5X10 | 5 | 10 | 73/0.4 | 23.15 | 419.01 | 943.05 |
| YVVK5X16 | 5 | 16 | 119/0.4 | 27.20 | 683.05 | 1361.39 |
| YVVK5X25 | 5 | 25 | 182/0.4 | 33.13 | 1044.67 | 2036.99 |
| YVVK5X35 | 5 | 35 | 252/0.4 | 36.03 | 1446.46 | 2586.33 |
| YVVK5X50 | 5 | 50 | 371/0.4 | 43.31 | 2129.51 | 3745.88 |
| YVVK3X10+6 | 3+E | 10/6 | 73/0.4 | 22.29 | 299.2 | 814.50 |
| YVVK3X16+10 | 3+E | 16/10 | 119/0.4 | 25.91 | 493.6 | 1156.20 |
| YVVK3X25+16 | 3+E | 25/16 | 182/0.4 | 30.70 | 811.7 | 1713.88 |
| YVVK3X35+16 | 3+E | 35/16 | 252/0.4 | 33.31 | 1004.5 | 2054.74 |
| YVVK3X50+25 | 3+E | 50/25 | 371/0.4 | 39.51 | 1486.6 | 2926.74 |
| YVVK3X70+35 | 3+E | 70/35 | 342/0.5 | 44.73 | 2129.6 | 3924.04 |
| YVVK3X95+70 | 3+E | 95/70 | 456/0.5 | 49.96 | 3067.3 | 5203.00 |
| YVVK3X120+70 | 3+E | 120/70 | 589/0.5 | 57.16 | 3783.0 | 6609.89 |
| YVVK3X150+70 | 3+E | 150/70 | 740/0.5 | 62.14 | 4595.5 | 7967.76 |
| YVVK4X25+16 | 4+E | 25/16 | 182/0.4 | 33.73 | 972.4 | 2044.47 |
| YVVK4X35+25 | 4+E | 35/25 | 252/0.4 | 36.63 | 1366.1 | 2583.61 |
| YVVK4X50+25 | 4+E | 50/25 | 371/0.4 | 43.71 | 1912.5 | 3644.24 |
| YVVK4X70+35 | 4+E | 70/35 | 342/0.5 | 49.51 | 2743.1 | 4896.09 |
| YVVK4X95+70 | 4+E | 95/70 | 456/0.5 | 55.11 | 3885.2 | 6441.77 |

Temperature limits: - 20°C - + 70°C

Max. temperature of conductor: + 70°C

Short-circuit temperature:
- For cross-sections up to 300 mm² - + 160°C
- For cross-sections 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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables



NYIFY-Y PVC FLAT CABLE

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

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Dimensions | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) | Temperature limits: - 30°C - + 70°C |
|------------|--------------|------------------------------------|-----------|------------|-------------------|-----------------------|----------------------------------------|
| NYIFY2X1/5 | 2 | 1.5 | 1/1.36 | 4.4x12.0 | 25.59 | 63.3 | Max. temperature of conductor: + 70°C |
| 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 | Short-circuit temperature: + 160°C |
| NYIFY3X1/5 | 3 | 1.5 | 1/1.36 | 4.4x19.0 | 38.38 | 94.9 | |

Bending radius:
10 x overall diameter.

Colors available: White.

Core Identification:
- 2 cores: Brown - Blue;
- 3 cores: Brown - Black - Gray



NYM SURFACE WIRING CABLES PVC

Solid plain copper conductors, PVC insulated, PVC inner filler, PVC outer sheath. 600/1000 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 | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYM1X1/5RE | 1 | 1.5 | 1/1.36 | 5.4 | 13 | 42 |
| NYM1X2/5RE | 1 | 2.5 | 1/1.73 | 5.9 | 21 | 56 |
| NYM1X4RE | 1 | 4 | 1/2.2 | 6.6 | 34 | 76 |
| NYM1X6RE | 1 | 6 | 1/2.7 | 7.1 | 51 | 98 |
| NYM1X10RE | 1 | 10 | 1/3.48 | 8.3 | 85 | 146 |
| NYM1X16RM | 1 | 16 | 7/1.67 | 9.8 | 140 | 220 |
| NYM2X1/5RE | 2 | 1.5 | 1/1.36 | 9.1 | 26 | 119 |
| NYM2X2/5RE | 2 | 2.5 | 1/1.73 | 10.3 | 42 | 158 |
| NYM2X4RE | 2 | 4 | 1/2.2 | 11.6 | 68 | 215 |
| NYM2X6RE | 2 | 6 | 1/2.7 | 12.6 | 103 | 273 |
| NYM2X10RE | 2 | 10 | 1/3.48 | 15.7 | 169 | 434 |
| NYM2X16RM | 2 | 16 | 7/1.67 | 18.4 | 280 | 631 |
| NYM2X25RM | 2 | 25 | 7/2.09 | 22.1 | 439 | 942 |
| NYM2X35RM | 2 | 35 | 7/2.48 | 25.2 | 608 | 1249 |
| NYM3X1/5RE | 3 | 1.5 | 1/1.36 | 9.5 | 39 | 137 |
| NYM3X2/5RE | 3 | 2.5 | 1/1.73 | 10.7 | 63 | 186 |
| NYM3X4RE | 3 | 4 | 1/2.2 | 12.2 | 102 | 258 |
| NYM3X6RE | 3 | 6 | 1/2.7 | 13.7 | 154 | 345 |
| NYM3X10RE | 3 | 10 | 1/3.48 | 16.6 | 254 | 533 |
| NYM3X16RM | 3 | 16 | 7/1.67 | 20.3 | 420 | 828 |
| NYM3X25RM | 3 | 25 | 7/2.09 | 24.3 | 658 | 1231 |
| NYM3X35RM | 3 | 35 | 7/2.48 | 26.7 | 912 | 1579 |
| NYM4X1/5RE | 4 | 1.5 | 1/1.36 | 10.2 | 52 | 163 |
| NYM4X2/5RE | 4 | 2.5 | 1/1.73 | 11.6 | 84 | 225 |
| NYM4X4RE | 4 | 4 | 1/2.2 | 13.6 | 136 | 326 |
| NYM4X6RE | 4 | 6 | 1/2.7 | 14.8 | 205 | 424 |
| NYM4X10RE | 4 | 10 | 1/3.48 | 18.0 | 339 | 660 |

Temperature limits: - 30°C - + 70°C

Max. temperature of conductor: + 70°C

Short-circuit temperature: + 150°C

Bending radius:

6 x overall diameter

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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Low voltage PVC Fixed Wiring & Mains Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size. (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|------------|--------------|------------------------------------|-----------|-----------------------|-------------------|-----------------------|
| NYM4X16RM | 4 | 16 | 7/1.67 | 22.1 | 560 | 1031 |
| NYM4X25RM | 4 | 25 | 7/2.09 | 26.5 | 878 | 1552 |
| NYM4X35RM | 4 | 35 | 7/2.48 | 29.2 | 1216 | 2004 |
| NYM5X1/5RE | 5 | 1.5 | 1/1.36 | 11.3 | 65 | 203 |
| NYM5X2/5RE | 5 | 2.5 | 1/1.73 | 12.9 | 105 | 280 |
| NYM5X4RE | 5 | 4 | 1/2.2 | 15.1 | 170 | 405 |
| NYM5X6RE | 5 | 6 | 1/2.7 | 16.4 | 256 | 527 |
| NYM5X10RE | 5 | 10 | 1/3.48 | 19.6 | 423 | 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 | 12.1 | 91 | 244 |
| NYM7X2/5RE | 7 | 2.5 | 1/1.73 | 14.2 | 147 | 355 |

ELECTRO CABLE GROUP



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

LSZH Fixed Wiring & Mains





H07Z-R (6491B) LSZH

Stranded plain annealed compacted 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 (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-----------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 | 137 | 165 |
| H07ZR25 | 25 | 7/2.09 | 8.67 | 215 | 258 |
| H07ZR35 | 35 | 7/2.46 | 9.78 | 298 | 347 |
| H07ZR50 | 50 | 19/1.8 | 11.8 | 412 | 478 |
| H07ZR70 | 70 | 19/2.12 | 13.4 | 590 | 669 |
| H07ZR95 | 95 | 19/2.49 | 15.65 | 814 | 919 |
| H07ZR120 | 120 | 37/2 | 17.2 | 1012 | 1129 |
| 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 | 2592 | 2871 |
| H07ZR400 | 400 | 61/2.87 | 31.0 | 3438 | 3784 |
| H07ZR500 | 500 | 61/3.2 | 34.4 | 4274 | 4689 |
| H07ZR625 | 625 | 91/2.91 | 37.6 | 5273 | 5729 |
| H07ZR800 | 800 | 91/3.3 | 40.8 | 6376 | 6875 |
| H07ZR1000 | 1000 | 91/3.73 | 46.8 | 8571 | 9187 |

Temperature limits: - 15°C
- + 90°C

Max. temperature of
conductor - + 90°C

Short-circuit temperature -
+ 250°C

Bending radius: up to 16
mm - 4 x overall diameter.
25 to 50 mm² - 5 x overall
diameter, above 70 mm² -
6 Ø overall diameter.

Standard colors available:
Green/Yellow, Blue, Red,
Brown, Black, Green, Yel-
low, Violet. Other colors
are available according to
customer requirements



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

LSZH Fixed Wiring & Mains



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.

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight (Kg/Km) |
|-------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| N2XH1X10RE | 1 | 10 | 7/1.31 | 10 | 84.12 | 202 |
| N2XH1X16RM | 1 | 16 | 7/1.67 | 12 | 137.73 | 283 |
| N2XH1X25RM | 1 | 25 | 7/2.09 | 13 | 215.72 | 393 |
| N2XH1X35RM | 1 | 35 | 7/2.48 | 14 | 298.86 | 496 |
| N2XH1X50RM | 1 | 50 | 19/1.76 | 16 | 408.42 | 643 |
| N2XH1X70RM | 1 | 70 | 19/2.13 | 18 | 590.40 | 869 |
| N2XH1X95RM | 1 | 95 | 19/2.48 | 20 | 814.47 | 1139 |
| N2XH1X120RM | 1 | 120 | 37/2.01 | 22 | 1029.89 | 1405 |
| N2XH1X150RM | 1 | 150 | 37/2.21 | 24 | 1249.42 | 1673 |
| N2XH1X185RM | 1 | 185 | 37/2.48 | 26 | 1548.08 | 2043 |
| N2XH1X240RM | 1 | 240 | 37/2.84 | 29 | 2034.33 | 2612 |
| N2XH1X300RM | 1 | 300 | 61/2.48 | 33 | 2619.53 | 3346 |
| N2XH1X400RM | 1 | 400 | 61/2.85 | 37 | 3473.88 | 4356 |
| N2XH1X500RM | 1 | 500 | 61/3.2 | 41 | 4318.68 | 5335 |
| N2XH2X1/5RE | 2 | 1.5 | 91/2.95 | 12 | 26.28 | 199 |
| N2XH2X2/5RE | 2 | 2.5 | 91/3.3 | 12 | 42.53 | 237 |
| N2XH2X4RE | 2 | 4 | 91/3.71 | 13 | 68.78 | 290 |
| N2XH2X6RE | 2 | 6 | 1/1.36 | 14 | 103.59 | 355 |
| N2XH2X10RE | 2 | 10 | 1/1.73 | 16 | 171.11 | 473 |
| N2XH2X16RM | 2 | 16 | 1/2.2 | 19 | 280.14 | 695 |
| N2XH2X25RM | 2 | 25 | 1/2.7 | 22 | 438.77 | 998 |
| N2XH2X35RM | 2 | 35 | 7/1.31 | 24 | 607.87 | 1269 |
| N2XH2X50RM | 2 | 50 | 7/1.67 | 27 | 838.96 | 1645 |
| N2XH2X70RM | 2 | 70 | 7/2.09 | 33 | 1200.87 | 2349 |
| N2XH2X95RM | 2 | 95 | 7/2.48 | 37 | 1656.63 | 3063 |

Temperature limits:
- 40°C - + 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: 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



continuation of a table

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XH2X120RM | 2 | 120 | 19/1.76 | 40 | 2081.30 | 3787 |
| N2XH2X150RM | 2 | 150 | 19/2.13 | 44 | 2541.31 | 4580 |
| N2XH2X185RM | 2 | 185 | 19/2.48 | 49 | 3148.79 | 5601 |
| N2XH2X240RM | 2 | 240 | 37/2.01 | 55 | 4137.82 | 7199 |
| N2XH2X300RM | 2 | 300 | 37/2.21 | 61 | 5328.12 | 9057 |
| N2XH2X400RM | 2 | 400 | 37/2.48 | 70 | 7065.87 | 11905 |
| N2XH3X1/5RE | 3 | 1.5 | 37/2.84 | 12 | 39.43 | 219 |
| N2XH3X2/5RE | 3 | 2.5 | 61/2.85 | 13 | 63.80 | 266 |
| N2XH3X4RE | 3 | 4 | 1/1.36 | 14 | 103.17 | 333 |
| N2XH3X6RE | 3 | 6 | 1/1.73 | 15 | 155.39 | 416 |
| N2XH3X10RE | 3 | 10 | 1/2.2 | 16 | 256.66 | 567 |
| N2XH3X16RM | 3 | 16 | 1/2.7 | 20 | 420.21 | 843 |
| N2XH3X25RM | 3 | 25 | 7/1.31 | 23 | 658.15 | 1226 |
| N2XH3X35RM | 3 | 35 | 7/1.67 | 26 | 911.81 | 1577 |
| N2XH3X50RM | 3 | 50 | 7/2.09 | 29 | 1258.44 | 2076 |
| N2XH3X70RM | 3 | 70 | 7/2.48 | 35 | 1801.31 | 2963 |
| N2XH3X95RM | 3 | 95 | 19/1.76 | 39 | 2484.94 | 3894 |
| N2XH3X120RM | 3 | 120 | 19/2.13 | 43 | 3121.94 | 4799 |
| N2XH3X150RM | 3 | 150 | 19/2.48 | 47 | 3811.97 | 5840 |
| N2XH3X185RM | 3 | 185 | 37/2.01 | 52 | 4723.19 | 7153 |
| N2XH3X240RM | 3 | 240 | 37/2.21 | 59 | 6206.74 | 9254 |
| N2XH3X300RM | 3 | 300 | 37/2.48 | 65 | 7992.18 | 11678 |
| N2XH3X300RM | 3 | 400 | 37/2.84 | 75 | 10598.81 | 15359 |
| N2XH4X1/5RE | 4 | 1.5 | 1/1.36 | 13 | 52.57 | 251 |
| N2XH4X2/5RE | 4 | 2.5 | 1/1.73 | 14 | 85.06 | 309 |
| N2XH4X4RE | 4 | 4 | 1/2.2 | 15 | 137.56 | 393 |
| N2XH4X6RE | 4 | 6 | 1/2.7 | 16 | 207.19 | 498 |
| N2XH4X10RE | 4 | 10 | 7/1.31 | 18 | 342.22 | 689 |
| N2XH4X16RM | 4 | 16 | 7/1.67 | 21 | 560.28 | 1037 |
| N2XH4X25RM | 4 | 25 | 7/2.09 | 25 | 877.54 | 1521 |
| N2XH4X35RM | 4 | 35 | 7/2.48 | 28 | 1215.75 | 1985 |
| N2XH4X50RM | 4 | 50 | 19/1.76 | 33 | 1677.91 | 2679 |
| N2XH4X70RM | 4 | 70 | 19/2.13 | 38 | 2401.75 | 3742 |
| N2XH4X95RM | 4 | 95 | 19/2.48 | 43 | 3313.25 | 4935 |
| N2XH4X120RM | 4 | 120 | 37/2.01 | 48 | 4162.59 | 6119 |
| N2XH4X150RM | 4 | 150 | 37/2.21 | 53 | 5082.63 | 7447 |
| N2XH4X185RM | 4 | 185 | 37/2.48 | 58 | 6297.58 | 9165 |
| N2XH4X240RM | 4 | 240 | 37/2.84 | 66 | 8275.65 | 11897 |
| N2XH4X300RE | 4 | 300 | 1/1.36 | 72 | 10656.23 | 14896 |
| N2XH5X1/5RE | 5 | 1.5 | 1/1.73 | 13 | 65.71 | 287 |
| N2XH5X2/5RE | 5 | 2.5 | 1/2.2 | 14 | 106.33 | 357 |



continuation of a table

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/Km) | Cable Weight. (Kg/Km) |
|-------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|-----------------------|
| N2XH5X4RE | 5 | 4 | 1/2.7 | 16 | 171.95 | 460 |
| N2XH5X6RE | 5 | 6 | 7/1.31 | 17 | 258.99 | 588 |
| N2XH5X10RE | 5 | 10 | 7/1.67 | 19 | 427.77 | 824 |
| N2XH5X16RM | 5 | 16 | 7/2.09 | 23 | 700.35 | 1250 |
| N2XH5X25RM | 5 | 25 | 7/2.48 | 28 | 1096.92 | 1861 |
| N2XH5X35RM | 5 | 35 | 19/1.76 | 31 | 1519.69 | 2435 |
| N2XH5X50RM | 5 | 50 | 19/2.13 | 36 | 2097.39 | 3285 |
| N2XH5X70RM | 5 | 70 | 19/2.48 | 42 | 3002.18 | 4598 |
| N2XH5X95RM | 5 | 95 | 37/2.01 | 48 | 4141.56 | 6103 |
| N2XH5X120RM | 5 | 120 | 37/2.21 | 53 | 5203.24 | 7570 |
| N2XH5X150RM | 5 | 150 | 37/2.48 | 58 | 6353.28 | 9217 |
| N2XH5X185RM | 5 | 185 | 37/2.84 | 65 | 7871.98 | 11454 |
| N2XH5X240RM | 5 | 240 | 1/1.73 | 73 | 10344.56 | 14719 |
| N2XH4X35SM | 4 | 35 | 7/1.31 | 27.3 | 1177.38 | 1694.33 |
| N2XH4X50SM | 4 | 50 | 7/1.31 | 30.1 | 1624.95 | 2232.37 |
| N2XH4X70SM | 4 | 70 | 1/1.73 | 35.9 | 2395.85 | 3237.65 |
| N2XH4X95SM | 4 | 95 | 1/2.2 | 39.5 | 3274.16 | 4226.65 |
| N2XH4X120SM | 4 | 120 | 1/2.7 | 44.3 | 4140.16 | 5275.26 |
| N2XH4X150SM | 4 | 150 | 7/1.31 | 48.1 | 5022.66 | 6338.50 |
| N2XH4X185SM | 4 | 185 | 7/1.67 | 53.5 | 6223.28 | 7797.71 |
| N2XH4X240SM | 4 | 240 | 7/2.09 | 61.3 | 8178.00 | 10105.35 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

LSZH Fixed Wiring & Mains



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H05ZK0/5 | 0.5 | 16/0.2 | 2.12 | 4.2 | 8.7 |
| H05ZK0/75 | 0.75 | 24/0.2 | 2.37 | 6.4 | 11.7 |
| H05ZK1 | 1 | 32/0.2 | 2.5 | 8.9 | 14.6 |

Temperature limits: - 5°C
- + 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



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H07ZK1/5 | 1.5 | 30/0.25 | 3 | 13 | 21 |
| H07ZK2/5 | 2.5 | 50/0.25 | 3.6 | 20 | 32 |
| H07ZK4 | 4 | 56/0.25 | 4.2 | 33 | 47 |
| H07ZK6 | 6 | 84/0.3 | 5 | 53 | 71 |
| H07ZK10 | 10 | 80/0.4 | 6.5 | 84 | 113 |
| H07ZK16 | 16 | 126/0.4 | 8 | 142 | 179 |
| H07ZK25 | 25 | 196/0.4 | 9.9 | 213 | 268 |
| H07ZK35 | 35 | 276/0.4 | 10.9 | 300 | 362 |
| H07ZK50 | 50 | 396/0.4 | 13.3 | 427 | 515 |
| H07ZK70 | 70 | 360/0.5 | 15.3 | 603 | 706 |
| H07ZK95 | 95 | 475/0.5 | 17.3 | 818 | 951 |
| H07ZK120 | 120 | 608/0.5 | 19.7 | 1039 | 1192 |
| H07ZK150 | 150 | 756/0.5 | 21.6 | 1305 | 1494 |
| H07ZK185 | 185 | 925/0.5 | 23.3 | 1501 | 1726 |
| H07ZK240 | 240 | 1221/0.5 | 27.2 | 2088 | 2379 |

Temperature limits:

- 5°C - + 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



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, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H07ZU1/5 | 1,5 | 1/1,37 | 2,8 | 13,2 | 20,4 |
| H07ZU2/5 | 2,5 | 1/1,77 | 3,4 | 21,3 | 31,5 |
| H07ZU4 | 4 | 1/2,2 | 3,8 | 34,5 | 46,5 |
| H07ZU6 | 6 | 1/2,7 | 4,3 | 52 | 66 |
| H07ZU10 | 10 | 1/3,48 | 5,5 | 85,8 | 109,4 |

Temperature limits: - 15°C
+ 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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

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 E90: 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: pH₂ ≥ 4,3; conductivity ≤ 10 μSmm⁻¹

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXH30-1X10 | 1 | 10 | 7/1.31 | 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 | 801 | 1 174 |
| NHXH30-1X120 | 1 | 120 | 37/2.01 | 23 | 1 023 | 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 | 42 | 314 |
| NHXH30-2X4 | 2 | 4 | 1/2.2 | 15 | 68 | 373 |
| NHXH30-2X6 | 2 | 6 | 1/2.7 | 16 | 103 | 444 |
| NHXH30-2X10 | 2 | 10 | 7/1.31 | 18 | 170 | 570 |
| NHXH30-2X16 | 2 | 16 | 7/1.67 | 21 | 279 | 807 |
| NHXH30-2X25 | 2 | 25 | 7/2.09 | 24 | 437 | 1 125 |
| NHXH30-2X35 | 2 | 35 | 7/2.48 | 27 | 605 | 1 455 |
| NHXH30-2X50 | 2 | 50 | 19/1.76 | 30 | 827 | 1 867 |
| NHXH30-2X70 | 2 | 70 | 19/2.13 | 35 | 1 195 | 2 547 |
| NHXH30-2X95 | 2 | 95 | 19/2.48 | 39 | 1 622 | 3 241 |
| NHXH30-2X120 | 2 | 120 | 37/2.01 | 43 | 2 071 | 4 003 |
| NHXH30-2X150 | 2 | 150 | 37/2.21 | 47 | 2 529 | 4 837 |

Temperature limits: - 40°C - + 90°C

Max. temperature of conductor: + 90°C

Short-circuit temperature: + 250°C

Bending radius:

- single-core cables:

15/overall diameter.

- multi-core cables:

12 / 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



Fire Resistant Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|---------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXXH30-2X185 | 2 | 185 | 37/2.48 | 51 | 3 133 | 5 876 |
| NHXXH30-2X240 | 2 | 240 | 37/2.84 | 57 | 4 117 | 7 503 |
| NHXXH30-3X1/5 | 3 | 1.5 | 1/1.36 | 14 | 39 | 299 |
| NHXXH30-3X2/5 | 3 | 2.5 | 1/1.73 | 15 | 63 | 349 |
| NHXXH30-3X4 | 3 | 4 | 1/2.2 | 16 | 103 | 422 |
| NHXXH30-3X6 | 3 | 6 | 1/2.7 | 17 | 155 | 511 |
| NHXXH30-3X10 | 3 | 10 | 7/1.31 | 19 | 255 | 672 |
| NHXXH30-3X16 | 3 | 16 | 7/1.67 | 22 | 418 | 963 |
| NHXXH30-3X25 | 3 | 25 | 7/2.09 | 26 | 655 | 1 361 |
| NHXXH30-3X35 | 3 | 35 | 7/2.48 | 29 | 907 | 1 790 |
| NHXXH30-3X50 | 3 | 50 | 19/1.76 | 32 | 1 240 | 2 313 |
| NHXXH30-3X70 | 3 | 70 | 19/2.13 | 37 | 1 792 | 3 154 |
| NHXXH30-3X95 | 3 | 95 | 19/2.48 | 41 | 2 433 | 4 073 |
| NHXXH30-3X120 | 3 | 120 | 37/2.01 | 46 | 3 107 | 5 050 |
| NHXXH30-3X150 | 3 | 150 | 37/2.21 | 50 | 3 793 | 6 108 |
| NHXXH30-3X185 | 3 | 185 | 37/2.48 | 55 | 4 700 | 7 472 |
| NHXXH30-3X240 | 3 | 240 | 37/2.84 | 61 | 6 176 | 9 536 |
| NHXXH30-4X1/5 | 4 | 1.5 | 1/1.36 | 15 | 52 | 344 |
| NHXXH30-4X2/5 | 4 | 2.5 | 1/1.73 | 16 | 85 | 406 |
| NHXXH30-4X4 | 4 | 4 | 1/2.2 | 17 | 137 | 498 |
| NHXXH30-4X6 | 4 | 6 | 1/2.7 | 19 | 206 | 610 |
| NHXXH30-4X10 | 4 | 10 | 7/1.31 | 20 | 341 | 814 |
| NHXXH30-4X16 | 4 | 16 | 7/1.67 | 24 | 558 | 1 179 |
| NHXXH30-4X25 | 4 | 25 | 7/2.09 | 29 | 873 | 1 764 |
| NHXXH30-4X35 | 4 | 35 | 7/2.48 | 32 | 1 210 | 2 253 |
| NHXXH30-4X50 | 4 | 50 | 19/1.76 | 36 | 1 653 | 2 919 |
| NHXXH30-4X70 | 4 | 70 | 19/2.13 | 42 | 2 390 | 4 038 |
| NHXXH30-4X95 | 4 | 95 | 19/2.48 | 46 | 3 244 | 5 193 |
| NHXXH30-4X120 | 4 | 120 | 37/2.01 | 51 | 4 142 | 6 475 |
| NHXXH30-4X150 | 4 | 150 | 37/2.21 | 56 | 5 058 | 7 801 |
| NHXXH30-4X185 | 4 | 185 | 37/2.48 | 61 | 6 267 | 9 508 |
| NHXXH30-4X240 | 4 | 240 | 37/2.84 | 68 | 8 235 | 12 193 |
| NHXXH30-5X1/5 | 5 | 1.5 | 1/1.36 | 16 | 65 | 397 |
| NHXXH30-5X2/5 | 5 | 2.5 | 1/1.73 | 17 | 106 | 473 |
| NHXXH30-5X4 | 5 | 4 | 1/2.2 | 19 | 171 | 585 |
| NHXXH30-5X6 | 5 | 6 | 1/2.7 | 20 | 258 | 723 |
| NHXXH30-5X10 | 5 | 10 | 7/1.31 | 22 | 426 | 973 |
| NHXXH30-5X16 | 5 | 16 | 7/1.67 | 26 | 697 | 1 422 |
| NHXXH30-5X25 | 5 | 25 | 7/2.09 | 32 | 1 092 | 2 132 |
| NHXXH30-5X35 | 5 | 35 | 7/2.48 | 35 | 1 512 | 2 733 |
| NHXXH30-5X50 | 5 | 50 | 19/1.76 | 39 | 2 067 | 3 554 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Fire Resistant Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-------------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXXH30-5X70 | 5 | 70 | 19/2.13 | 45 | 2 987 | 4 904 |
| NHXXH30-5X95 | 5 | 95 | 19/2.48 | 51 | 4 055 | 6 357 |
| NHXXH30-5X120 | 5 | 120 | 37/2.01 | 56 | 5 178 | 7 971 |
| NHXXH30-5X150 | 5 | 150 | 37/2.21 | 61 | 6 322 | 9 610 |
| NHXXH30-5X185 | 5 | 185 | 37/2.48 | 68 | 7 833 | 11 798 |
| NHXXH30-5X240 | 5 | 240 | 37/2.84 | 76 | 10 294 | 15 179 |
| NHXXH30-1X185+95 | 1+E | 185 | 37/2.48 | 45 | 2 378 | 4 495 |
| NHXXH30+3X2/5-1/5 | 3+E | 2.5 | 1/1.73 | 16 | 77 | 397 |
| NHXXH30+3X4-2/5 | 3+E | 4 | 1/2.2 | 17 | 124 | 484 |
| NHXXH30-3X6+4 | 3+E | 6 | 1/2.7 | 19 | 189 | 592 |
| NHXXH30-3X10+4 | 3+E | 10 | 7/1.31 | 20 | 307 | 782 |
| NHXXH30-3X16+10 | 3+E | 16 | 7/1.67 | 24 | 504 | 1 140 |
| NHXXH30-3X25+16 | 3+E | 25 | 7/2.09 | 29 | 741 | 1 660 |
| NHXXH30-3X35+16 | 3+E | 35 | 7/2.48 | 32 | 1 047 | 2 116 |
| NHXXH30-3X50+25 | 3+E | 50 | 19/1.76 | 36 | 1 456 | 2 751 |
| NHXXH30-3X70+35 | 3+E | 70 | 19/2.13 | 41 | 2 095 | 3 784 |
| NHXXH30-3X95+50 | 3+E | 95 | 19/2.48 | 46 | 2 851 | 4 861 |
| NHXXH30-3X120+70 | 3+E | 120 | 37/2.01 | 50 | 3 704 | 6 098 |
| NHXXH30-3X150+70 | 3+E | 150 | 37/2.21 | 56 | 4 391 | 7 332 |
| NHXXH30-3X185+95 | 3+E | 185 | 37/2.48 | 61 | 5 511 | 8 986 |
| NHXXH30-3X240+120 | 3+E | 240 | 37/2.84 | 68 | 8 235 | 12 177 |
| NHXXH30-4X2/5+1/5 | 4+E | 2.5 | 1/1.73 | 17 | 98 | 463 |
| NHXXH30-4X4+2/5 | 4+E | 4 | 1/2.2 | 19 | 158 | 571 |
| NHXXH30-4X6+4 | 4+E | 6 | 1/2.7 | 20 | 240 | 704 |
| NHXXH30-4X10+4 | 4+E | 10 | 7/1.31 | 22 | 392 | 941 |
| NHXXH30-4X16+10 | 4+E | 16 | 7/1.67 | 26 | 643 | 1 382 |
| NHXXH30-4X25+16 | 4+E | 25 | 7/2.09 | 32 | 1 013 | 2 069 |
| NHXXH30-4X35+16 | 4+E | 35 | 7/2.48 | 35 | 1 349 | 2 613 |
| NHXXH30-4X50+25 | 4+E | 50 | 19/1.76 | 39 | 1 869 | 3 405 |
| NHXXH30-4X70+35 | 4+E | 70 | 19/2.13 | 45 | 2 692 | 4 694 |
| NHXXH30-4X95+50 | 4+E | 95 | 19/2.48 | 51 | 3 662 | 6 074 |
| NHXXH30-4X120+70 | 4+E | 120 | 37/2.01 | 56 | 4 740 | 7 648 |
| NHXXH30-4X150+70 | 4+E | 150 | 37/2.21 | 61 | 5 655 | 9 141 |
| NHXXH30-4X185+95 | 4+E | 185 | 37/2.48 | 68 | 7 078 | 11 276 |
| NHXXH30-4X240+120 | 4+E | 240 | 37/2.84 | 76 | 10 294 | 15 163 |

We reserve the right to make technical alterations and misprint without prior notice.



(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_z ≥ 4,3; conductivity ≤ 10 μSmm⁻¹

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXH90-1X10 | 1 | 10 | 7/1.31 | 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 | 801 | 1 174 |
| NHXH90-1X120 | 1 | 120 | 37/2.01 | 23 | 1 023 | 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 | 42 | 314 |
| NHXH90-2X4 | 2 | 4 | 1/2.2 | 15 | 68 | 373 |
| NHXH90-2X6 | 2 | 6 | 1/2.7 | 16 | 103 | 444 |
| NHXH90-2X10 | 2 | 10 | 7/1.31 | 18 | 170 | 570 |
| NHXH90-2X16 | 2 | 16 | 7/1.67 | 21 | 279 | 807 |
| NHXH90-2X25 | 2 | 25 | 7/2.09 | 24 | 437 | 1 125 |
| NHXH90-2X35 | 2 | 35 | 7/2.48 | 27 | 605 | 1 455 |
| NHXH90-2X50 | 2 | 50 | 19/1.76 | 30 | 827 | 1 867 |
| NHXH90-2X70 | 2 | 70 | 19/2.13 | 35 | 1 195 | 2 547 |
| NHXH90-2X95 | 2 | 95 | 19/2.48 | 39 | 1 622 | 3 241 |

Temperature limits: -40°C - +90°C

Max. temperature of conductor: +90°C

Short-circuit temperature: +250°C

Bending radius:

- single-core cables:

15/overall diameter.

- multi-core cables:

12 / 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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Fire Resistant Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|---------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXXH90-2X120 | 2 | 120 | 37/2.01 | 43 | 2 071 | 4 003 |
| NHXXH90-2X150 | 2 | 150 | 37/2.21 | 47 | 2 529 | 4 837 |
| NHXXH90-2X185 | 2 | 185 | 37/2.48 | 51 | 3 133 | 5 876 |
| NHXXH90-2X240 | 2 | 240 | 37/2.84 | 57 | 4 117 | 7 503 |
| NHXXH90-3X1/5 | 3 | 1.5 | 1/1.36 | 14 | 39 | 299 |
| NHXXH90-3X2/5 | 3 | 2.5 | 1/1.73 | 15 | 63 | 349 |
| NHXXH90-3X4 | 3 | 4 | 1/2.2 | 16 | 103 | 422 |
| NHXXH90-3X6 | 3 | 6 | 1/2.7 | 17 | 155 | 511 |
| NHXXH90-3X10 | 3 | 10 | 7/1.31 | 19 | 255 | 672 |
| NHXXH90-3X16 | 3 | 16 | 7/1.67 | 22 | 418 | 963 |
| NHXXH90-3X25 | 3 | 25 | 7/2.09 | 26 | 655 | 1 361 |
| NHXXH90-3X35 | 3 | 35 | 7/2.48 | 29 | 907 | 1 790 |
| NHXXH90-3X50 | 3 | 50 | 19/1.76 | 32 | 1 240 | 2 313 |
| NHXXH90-3X70 | 3 | 70 | 19/2.13 | 37 | 1 792 | 3 154 |
| NHXXH90-3X95 | 3 | 95 | 19/2.48 | 41 | 2 433 | 4 073 |
| NHXXH90-3X120 | 3 | 120 | 37/2.01 | 46 | 3 107 | 5 050 |
| NHXXH90-3X150 | 3 | 150 | 37/2.21 | 50 | 3 793 | 6 108 |
| NHXXH90-3X185 | 3 | 185 | 37/2.48 | 55 | 4 700 | 7 472 |
| NHXXH90-3X240 | 3 | 240 | 37/2.84 | 61 | 6 176 | 9 536 |
| NHXXH90-4X1/5 | 4 | 1.5 | 1/1.36 | 15 | 52 | 344 |
| NHXXH90-4X2/5 | 4 | 2.5 | 1/1.73 | 16 | 85 | 406 |
| NHXXH90-4X4 | 4 | 4 | 1/2.2 | 17 | 137 | 498 |
| NHXXH90-4X6 | 4 | 6 | 1/2.7 | 19 | 206 | 610 |
| NHXXH90-4X10 | 4 | 10 | 7/1.31 | 20 | 341 | 814 |
| NHXXH90-4X16 | 4 | 16 | 7/1.67 | 24 | 558 | 1 179 |
| NHXXH90-4X25 | 4 | 25 | 7/2.09 | 29 | 873 | 1 764 |
| NHXXH90-4X35 | 4 | 35 | 7/2.48 | 32 | 1 210 | 2 253 |
| NHXXH90-4X50 | 4 | 50 | 19/1.76 | 36 | 1 653 | 2 919 |
| NHXXH90-4X70 | 4 | 70 | 19/2.13 | 42 | 2 390 | 4 038 |
| NHXXH90-4X95 | 4 | 95 | 19/2.48 | 46 | 3 244 | 5 193 |
| NHXXH90-4X120 | 4 | 120 | 37/2.01 | 51 | 4 142 | 6 475 |
| NHXXH90-4X150 | 4 | 150 | 37/2.21 | 56 | 5 058 | 7 801 |
| NHXXH90-4X185 | 4 | 185 | 37/2.48 | 61 | 6 267 | 9 508 |
| NHXXH90-4X240 | 4 | 240 | 37/2.84 | 68 | 8 235 | 12 193 |
| NHXXH90-5X1/5 | 5 | 1.5 | 1/1.36 | 16 | 65 | 397 |
| NHXXH90-5X2/5 | 5 | 2.5 | 1/1.73 | 17 | 106 | 473 |
| NHXXH90-5X4 | 5 | 4 | 1/2.2 | 19 | 171 | 585 |
| NHXXH90-5X6 | 5 | 6 | 1/2.7 | 20 | 258 | 723 |
| NHXXH90-5X10 | 5 | 10 | 7/1.31 | 22 | 426 | 973 |
| NHXXH90-5X16 | 5 | 16 | 7/1.67 | 26 | 697 | 1 422 |
| NHXXH90-5X25 | 5 | 25 | 7/2.09 | 32 | 1 092 | 2 132 |

We reserve the right to make technical alterations and misprint without prior notice.



Fire Resistant Cables

continuation of a table

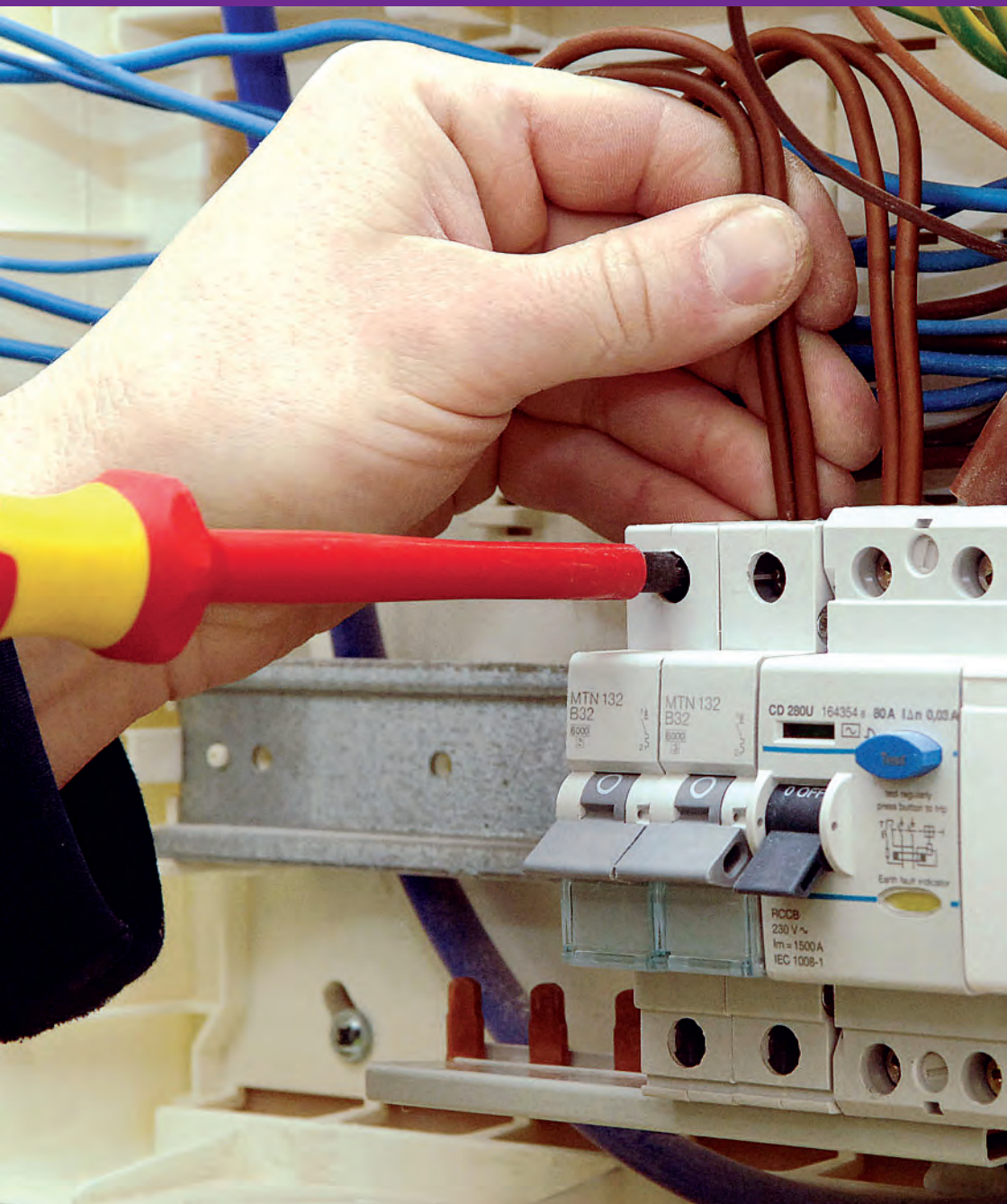
| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-------------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| NHXXH90-5X35 | 5 | 35 | 7/2.48 | 35 | 1 512 | 2 733 |
| NHXXH90-5X50 | 5 | 50 | 19/1.76 | 39 | 2 067 | 3 554 |
| NHXXH90-5X70 | 5 | 70 | 19/2.13 | 45 | 2 987 | 4 904 |
| NHXXH90-5X95 | 5 | 95 | 19/2.48 | 51 | 4 055 | 6 357 |
| NHXXH90-5X120 | 5 | 120 | 37/2.01 | 56 | 5 178 | 7 971 |
| NHXXH90-5X150 | 5 | 150 | 37/2.21 | 61 | 6 322 | 9 610 |
| NHXXH90-5X185 | 5 | 185 | 37/2.48 | 68 | 7 833 | 11 798 |
| NHXXH90-5X240 | 5 | 240 | 37/2.84 | 76 | 10 294 | 15 179 |
| NHXXH90-1X185-95 | 1+E | 185 | 37/2.48 | 45 | 2 378 | 4 495 |
| NHXXH90-3X2/5+1/5 | 3+E | 2.5 | 1/1.73 | 16 | 77 | 397 |
| NHXXH90-3X4+2/5 | 3+E | 4 | 1/2.2 | 17 | 124 | 484 |
| NHXXH90-3X6+4 | 3+E | 6 | 1/2.7 | 19 | 189 | 592 |
| NHXXH90-3X10+4 | 3+E | 10 | 7/1.31 | 20 | 307 | 782 |
| NHXXH90-3X16+10 | 3+E | 16 | 7/1.67 | 24 | 504 | 1 140 |
| NHXXH90-3X25+16 | 3+E | 25 | 7/2.09 | 29 | 741 | 1 660 |
| NHXXH90-3X35+16 | 3+E | 35 | 7/2.48 | 32 | 1 047 | 2 116 |
| NHXXH90-3X50+25 | 3+E | 50 | 19/1.76 | 36 | 1 456 | 2 751 |
| NHXXH90-3X70+35 | 3+E | 70 | 19/2.13 | 41 | 2 095 | 3 784 |
| NHXXH90-3X95+50 | 3+E | 95 | 19/2.48 | 46 | 2 851 | 4 861 |
| NHXXH90-3X120+70 | 3+E | 120 | 37/2.01 | 50 | 3 704 | 6 098 |
| NHXXH90-3X150+70 | 3+E | 150 | 37/2.21 | 56 | 4 391 | 7 332 |
| NHXXH90-3X185+95 | 3+E | 185 | 37/2.48 | 61 | 5 511 | 8 986 |
| NHXXH90-3X240+120 | 3+E | 240 | 37/2.84 | 68 | 8 235 | 12 177 |
| NHXXH90-4X2/5+1/5 | 4+E | 2.5 | 1/1.73 | 17 | 98 | 463 |
| NHXXH90-4X4+2/5 | 4+E | 4 | 1/2.2 | 19 | 158 | 571 |
| NHXXH90-4X6+4 | 4+E | 6 | 1/2.7 | 20 | 240 | 704 |
| NHXXH90-4X10+4 | 4+E | 10 | 7/1.31 | 22 | 392 | 941 |
| NHXXH90-4X16+10 | 4+E | 16 | 7/1.67 | 26 | 643 | 1 382 |
| NHXXH90-4X25+16 | 4+E | 25 | 7/2.09 | 32 | 1 013 | 2 069 |
| NHXXH90-4X35+16 | 4+E | 35 | 7/2.48 | 35 | 1 349 | 2 613 |
| NHXXH90-4X50+25 | 4+E | 50 | 19/1.76 | 39 | 1 869 | 3 405 |
| NHXXH90-4X70+35 | 4+E | 70 | 19/2.13 | 45 | 2 692 | 4 694 |
| NHXXH90-4X95+50 | 4+E | 95 | 19/2.48 | 51 | 3 662 | 6 074 |
| NHXXH90-4X120+70 | 4+E | 120 | 37/2.01 | 56 | 4 740 | 7 648 |
| NHXXH90-4X150+70 | 4+E | 150 | 37/2.21 | 61 | 5 655 | 9 141 |
| NHXXH90-4X185+95 | 4+E | 185 | 37/2.48 | 68 | 7 078 | 11 276 |
| NHXXH90-4X240+120 | 4+E | 240 | 37/2.84 | 76 | 10 294 | 15 163 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables





ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



RoHS



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 | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 | 1.9 | 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 |

Temperature limits: - 15°C
+ 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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 | 1.9 | 163,2 |

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 | 11.9 | 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 |

We reserve the right to make technical alterations and misprint without prior notice.



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



RoHS



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 | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| YSLY1-2X0/5 | 2 | 0.5 | 15/0.198 | 8.7 | 8.4 | 80.1 |
| YSLY1-3X0/5 | 3 | 0.5 | 15/0.198 | 9.1 | 12.7 | 94.8 |
| YSLY1-4X0/5 | 4 | 0.5 | 15/0.198 | 9.7 | 16.9 | 111.5 |
| YSLY1-5X0/5 | 5 | 0.5 | 15/0.198 | 10.43 | 21.1 | 133.3 |
| YSLY1-7X0/5 | 7 | 0.5 | 15/0.198 | 11.2 | 29.5 | 155 |
| YSLY1-8X0/5 | 8 | 0.5 | 15/0.198 | 12 | 33.8 | 175 |
| YSLY1-10X0/5 | 10 | 0.5 | 15/0.198 | 13.7 | 42.2 | 231.8 |
| YSLY1-12X0/5 | 12 | 0.5 | 15/0.198 | 14.1 | 50.6 | 249.9 |
| YSLY1-14X0/5 | 14 | 0.5 | 15/0.198 | 14.8 | 59.1 | 277.2 |
| YSLY1-18X0/5 | 18 | 0.5 | 15/0.198 | 16.3 | 75.9 | 340.9 |
| YSLY1-19X0/5 | 19 | 0.5 | 15/0.198 | 16.3 | 80.2 | 343.9 |
| YSLY1-12X0/5 | 21 | 0.5 | 15/0.198 | 16.6 | 88.6 | 364.2 |
| YSLY1-42X0/5 | 24 | 0.5 | 15/0.198 | 18.8 | 101.3 | 459.2 |
| YSLY1-52X0/5 | 25 | 0.5 | 15/0.198 | 19.2 | 105.5 | 479 |
| YSLY1-72X0/5 | 27 | 0.5 | 15/0.198 | 19.2 | 113.9 | 484.9 |
| YSLY1-30X0/5 | 30 | 0.5 | 15/0.198 | 19.8 | 126.6 | 522.9 |
| YSLY1-34X0/5 | 34 | 0.5 | 15/0.198 | 21.3 | 143.5 | 604.3 |
| YSLY1-37X0/5 | 37 | 0.5 | 15/0.198 | 21.3 | 156.1 | 613.1 |
| YSLY1-40X0/5 | 40 | 0.5 | 15/0.198 | 22.1 | 168.8 | 659.6 |
| YSLY1-42X0/5 | 42 | 0.5 | 15/0.198 | 23.8 | 177.2 | 758.6 |
| YSLY1-44X0/5 | 44 | 0.5 | 15/0.198 | 23.8 | 185.6 | 764.4 |
| YSLY1-50X0/5 | 50 | 0.5 | 15/0.198 | 24.9 | 211 | 840.6 |
| YSLY1-52X0/5 | 52 | 0.5 | 15/0.198 | 24.9 | 219.4 | 846.5 |
| YSLY1-61X0/5 | 61 | 0.5 | 15/0.198 | 26.4 | 257.4 | 960.2 |
| YSLY1-2X0/75 | 2 | 0.75 | 23/0.198 | 9.2 | 12.9 | 95.5 |
| YSLY1-3X0/75 | 3 | 0.75 | 23/0.198 | 9.6 | 19.4 | 108.9 |
| YSLY1-4X0/75 | 4 | 0.75 | 23/0.198 | 10.3 | 25.9 | 129.3 |

Temperature limits:
- 5°C - + 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

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|---------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| YSLY1-5X0/75 | 5 | 0.75 | 23/0.198 | 11.13 | 32.3 | 157.4 |
| YSLY1-6X0/75 | 6 | 0.75 | 23/0.198 | 12 | 38.8 | 178.9 |
| YSLY1-7X0/75 | 7 | 0.75 | 23/0.198 | 12 | 45.3 | 183.4 |
| YSLY1-8X0/75 | 8 | 0.75 | 23/0.198 | 12.8 | 51.8 | 211.1 |
| YSLY1-9X0/75 | 9 | 0.75 | 23/0.198 | 13.9 | 58.2 | 249 |
| YSLY1-10X0/75 | 10 | 0.75 | 23/0.198 | 14.8 | 64.7 | 280.5 |
| YSLY1-12X0/75 | 12 | 0.75 | 23/0.198 | 15.2 | 77.6 | 304 |
| YSLY1-14X0/75 | 14 | 0.75 | 23/0.198 | 15.9 | 90.6 | 338.5 |
| YSLY1-15X0/75 | 15 | 0.75 | 23/0.198 | 16.7 | 97 | 372.5 |
| YSLY1-18X0/75 | 18 | 0.75 | 23/0.198 | 17.5 | 116.5 | 418.5 |
| YSLY1-19X0/75 | 19 | 0.75 | 23/0.198 | 17.5 | 122.9 | 423 |
| YSLY1-02X0/75 | 20 | 0.75 | 23/0.198 | 18 | 129.4 | 444.8 |
| YSLY1-12X0/75 | 21 | 0.75 | 23/0.198 | 18 | 135.9 | 449.3 |
| YSLY1-42X0/75 | 24 | 0.75 | 23/0.198 | 20.3 | 155.3 | 565.7 |
| YSLY1-52X0/75 | 25 | 0.75 | 23/0.198 | 20.8 | 161.7 | 590.4 |
| YSLY1-72X0/75 | 27 | 0.75 | 23/0.198 | 20.8 | 174.7 | 599.4 |
| YSLY1-30X0/75 | 30 | 0.75 | 23/0.198 | 21.5 | 194.1 | 647.9 |
| YSLY1-32X0/75 | 32 | 0.75 | 23/0.198 | 22.3 | 207 | 696.8 |
| YSLY1-34X0/75 | 34 | 0.75 | 23/0.198 | 23.1 | 220 | 749.2 |
| YSLY1-37X0/75 | 37 | 0.75 | 23/0.198 | 23.1 | 239.4 | 762.7 |
| YSLY1-41X0/75 | 41 | 0.75 | 23/0.198 | 25.9 | 265.3 | 937.5 |
| YSLY1-42X0/75 | 42 | 0.75 | 23/0.198 | 25.9 | 271.7 | 942 |
| YSLY1-44X0/75 | 44 | 0.75 | 23/0.198 | 25.9 | 284.7 | 951 |
| YSLY1-50X0/75 | 50 | 0.75 | 23/0.198 | 27.1 | 323.5 | 1048.3 |
| YSLY1-52X0/75 | 52 | 0.75 | 23/0.198 | 27.1 | 336.4 | 1057.3 |
| YSLY1-61X0/75 | 61 | 0.75 | 23/0.198 | 28.7 | 394.6 | 1202.6 |
| YSLY1-2X1 | 2 | 1 | 30/0.198 | 9.3 | 16.9 | 102.3 |
| YSLY1-3X1 | 3 | 1 | 30/0.198 | 9.8 | 25.3 | 117.8 |
| YSLY1-4X1 | 4 | 1 | 30/0.198 | 10.5 | 33.8 | 140.8 |
| YSLY1-5X1 | 5 | 1 | 30/0.198 | 11.35 | 42.2 | 171.4 |
| YSLY1-6X1 | 6 | 1 | 30/0.198 | 12.2 | 50.6 | 195.8 |
| YSLY1-7X1 | 7 | 1 | 30/0.198 | 12.2 | 59.1 | 202.1 |
| YSLY1-8X1 | 8 | 1 | 30/0.198 | 13.1 | 67.5 | 232.7 |
| YSLY1-9X1 | 9 | 1 | 30/0.198 | 14.2 | 75.9 | 274.1 |
| YSLY1-10X1 | 10 | 1 | 30/0.198 | 15.1 | 84.4 | 308.8 |
| YSLY1-12X1 | 12 | 1 | 30/0.198 | 15.5 | 101.3 | 336.5 |
| YSLY1-14X1 | 14 | 1 | 30/0.198 | 16.3 | 118.1 | 375.8 |
| YSLY1-16X1 | 16 | 1 | 30/0.198 | 17.1 | 135 | 419.3 |
| YSLY1-18X1 | 18 | 1 | 30/0.198 | 17.9 | 151.9 | 466 |
| YSLY1-19X1 | 19 | 1 | 30/0.198 | 17.9 | 160.3 | 472.2 |
| YSLY1-02X1 | 20 | 1 | 30/0.198 | 18.4 | 168.8 | 496.7 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| YSLY1-12X1 | 21 | 1 | 30/0.198 | 18.4 | 177.2 | 502.9 |
| YSLY1-42X1 | 24 | 1 | 30/0.198 | 20.8 | 202.5 | 630.1 |
| YSLY1-5X1 | 25 | 1 | 30/0.198 | 21.3 | 211 | 657.6 |
| YSLY1-7X1 | 27 | 1 | 30/0.198 | 21.3 | 227.8 | 670 |
| YSLY1-30X1 | 30 | 1 | 30/0.198 | 22 | 253.2 | 725.6 |
| YSLY1-34X1 | 34 | 1 | 30/0.198 | 23.7 | 286.9 | 838.5 |
| YSLY1-37X1 | 37 | 1 | 30/0.198 | 23.7 | 312.2 | 857.1 |
| YSLY1-41X1 | 41 | 1 | 30/0.198 | 26.6 | 346 | 1047.6 |
| YSLY1-42X1 | 42 | 1 | 30/0.198 | 26.6 | 354.4 | 1053.8 |
| YSLY1-44X1 | 44 | 1 | 30/0.198 | 26.6 | 371.3 | 1066.2 |
| YSLY1-50X1 | 50 | 1 | 30/0.198 | 27.7 | 421.9 | 1177.8 |
| YSLY1-52X1 | 52 | 1 | 30/0.198 | 27.7 | 438.8 | 1190.2 |
| YSLY1-56X1 | 56 | 1 | 30/0.198 | 28.8 | 472.6 | 1281.5 |
| YSLY1-61X1 | 61 | 1 | 30/0.198 | 29.6 | 514.8 | 1370.5 |
| YSLY1-2X1/5 | 2 | 1.5 | 30/0.238 | 9.9 | 24.4 | 118.9 |
| YSLY1-3X1/5 | 3 | 1.5 | 30/0.238 | 10.3 | 36.6 | 138.7 |
| YSLY1-4X1/5 | 4 | 1.5 | 30/0.238 | 11.1 | 48.8 | 167.2 |
| YSLY1-5X1/5 | 5 | 1.5 | 30/0.238 | 12 | 61 | 203.3 |
| YSLY1-6X1/5 | 6 | 1.5 | 30/0.238 | 13 | 73.2 | 234.8 |
| YSLY1-7X1/5 | 7 | 1.5 | 30/0.238 | 13 | 85.3 | 243.9 |
| YSLY1-8X1/5 | 8 | 1.5 | 30/0.238 | 13.9 | 97.5 | 281.3 |
| YSLY1-9X1/5 | 9 | 1.5 | 30/0.238 | 15.2 | 109.7 | 331.4 |
| YSLY1-10X1/5 | 10 | 1.5 | 30/0.238 | 16.1 | 121.9 | 373.7 |
| YSLY1-11X1/5 | 11 | 1.5 | 30/0.238 | 16.6 | 134.1 | 400.6 |
| YSLY1-12X1/5 | 12 | 1.5 | 30/0.238 | 16.6 | 146.3 | 409.7 |
| YSLY1-14X1/5 | 14 | 1.5 | 30/0.238 | 17.4 | 170.7 | 459.2 |
| YSLY1-16X1/5 | 16 | 1.5 | 30/0.238 | 18.3 | 195.1 | 513.7 |
| YSLY1-18X1/5 | 18 | 1.5 | 30/0.238 | 19.2 | 219.5 | 571.9 |
| YSLY1-19X1/5 | 19 | 1.5 | 30/0.238 | 19.2 | 231.7 | 581 |
| YSLY1-02X1/5 | 20 | 1.5 | 30/0.238 | 19.7 | 243.8 | 611.5 |
| YSLY1-12X1/5 | 21 | 1.5 | 30/0.238 | 19.7 | 256 | 620.6 |
| YSLY1-42X1/5 | 24 | 1.5 | 30/0.238 | 22.4 | 292.6 | 775 |
| YSLY1-52X1/5 | 25 | 1.5 | 30/0.238 | 22.8 | 304.8 | 809 |
| YSLY1-72X1/5 | 27 | 1.5 | 30/0.238 | 22.8 | 329.2 | 827.2 |
| YSLY1-30X1/5 | 30 | 1.5 | 30/0.238 | 23.7 | 365.8 | 897.7 |
| YSLY1-32X1/5 | 32 | 1.5 | 30/0.238 | 24.5 | 390.2 | 965.3 |
| YSLY1-34X1/5 | 34 | 1.5 | 30/0.238 | 24.5 | 414.5 | 983.5 |
| YSLY1-37X1/5 | 37 | 1.5 | 30/0.238 | 25.5 | 451.1 | 1064.7 |
| YSLY1-42X1/5 | 42 | 1.5 | 30/0.238 | 28.8 | 512.1 | 1317.8 |
| YSLY1-44X1/5 | 44 | 1.5 | 30/0.238 | 28.8 | 536.5 | 1336 |
| YSLY1-50X1/5 | 50 | 1.5 | 30/0.238 | 30.1 | 609.6 | 1478.4 |

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| YSLY1-61X1/5 | 61 | 1.5 | 30/0.238 | 32.1 | 743.7 | 1724.3 |
| YSLY1-2X2/5 | 2 | 2.5 | 50/0.238 | 10.8 | 40.6 | 152.8 |
| YSLY1-3X2/5 | 3 | 2.5 | 50/0.238 | 11.4 | 61 | 181.7 |
| YSLY1-4X2/5 | 4 | 2.5 | 50/0.238 | 12.3 | 81.3 | 221.6 |
| YSLY1-5X2/5 | 5 | 2.5 | 50/0.238 | 13.3 | 101.6 | 269.1 |
| YSLY1-7X2/5 | 7 | 2.5 | 50/0.238 | 14.4 | 142.2 | 330.4 |
| YSLY1-8X2/5 | 8 | 2.5 | 50/0.238 | 15.5 | 162.6 | 382 |
| YSLY1-10X2/5 | 10 | 2.5 | 50/0.238 | 18 | 203.2 | 508.2 |
| YSLY1-12X2/5 | 12 | 2.5 | 50/0.238 | 18.6 | 243.8 | 561.6 |
| YSLY1-14X2/5 | 14 | 2.5 | 50/0.238 | 19.5 | 284.5 | 632.5 |
| YSLY1-16X2/5 | 16 | 2.5 | 50/0.238 | 20.5 | 325.1 | 709.9 |
| YSLY1-18X2/5 | 18 | 2.5 | 50/0.238 | 21.6 | 365.8 | 792.3 |
| YSLY1-19X2/5 | 19 | 2.5 | 50/0.238 | 21.6 | 386.1 | 807.5 |
| YSLY1-02X2/5 | 20 | 2.5 | 50/0.238 | 22.2 | 406.4 | 850.4 |
| YSLY1-12X2/5 | 21 | 2.5 | 50/0.238 | 22.2 | 426.7 | 865.6 |
| YSLY1-42X2/5 | 24 | 2.5 | 50/0.238 | 25.2 | 487.7 | 1076.6 |
| YSLY1-52X2/5 | 25 | 2.5 | 50/0.238 | 25.8 | 508 | 1124.3 |
| YSLY1-72X2/5 | 27 | 2.5 | 50/0.238 | 25.8 | 548.7 | 1154.6 |
| YSLY1-30X2/5 | 30 | 2.5 | 50/0.238 | 26.7 | 609.6 | 1256.6 |
| YSLY1-34X2/5 | 34 | 2.5 | 50/0.238 | 29 | 690.9 | 1465.5 |
| YSLY1-37X2/5 | 37 | 2.5 | 50/0.238 | 29 | 751.9 | 1511 |
| YSLY1-40X2/5 | 40 | 2.5 | 50/0.238 | 32.8 | 812.8 | 1827.6 |
| YSLY1-42X2/5 | 42 | 2.5 | 50/0.238 | 32.8 | 853.5 | 1858 |
| YSLY1-50X2/5 | 50 | 2.5 | 50/0.238 | 34.5 | 1016 | 2110.9 |
| YSLY1-61X2/5 | 61 | 2.5 | 50/0.238 | 36.6 | 1239.6 | 2451.4 |
| YSLY1-3X4 | 3 | 4 | 50/0.3 | 12.6 | 96.9 | 218.9 |
| YSLY1-4X4 | 4 | 4 | 50/0.3 | 13.3 | 129.1 | 263.4 |
| YSLY1-5X4 | 5 | 4 | 50/0.3 | 15.8 | 161.4 | 392.3 |
| YSLY1-7X4 | 7 | 4 | 50/0.3 | 17.2 | 226 | 491.8 |
| YSLY1-12X4 | 12 | 4 | 50/0.3 | 22.4 | 387.4 | 847.9 |
| YSLY1-3X6 | 3 | 6 | 74/0.3 | 15.8 | 143.4 | 368.5 |
| YSLY1-4X6 | 4 | 6 | 74/0.3 | 17.3 | 191.1 | 455.9 |
| YSLY1-5X6 | 5 | 6 | 74/0.3 | 18.9 | 238.9 | 548.7 |
| YSLY1-7X6 | 7 | 6 | 74/0.3 | 20.6 | 334.5 | 695.8 |
| YSLY1-19X6 | 19 | 6 | 74/0.3 | 32.3 | 907.9 | 1796.2 |
| YSLY1-3X10 | 3 | 10 | 73/0.4 | 18.4 | 248 | 538.6 |
| YSLY1-4X10 | 4 | 10 | 73/0.4 | 20.2 | 330.6 | 672.4 |
| YSLY1-5X10 | 5 | 10 | 73/0.4 | 22.2 | 413.3 | 808.5 |
| YSLY1-7X10 | 7 | 10 | 73/0.4 | 24.3 | 578.6 | 1042.5 |
| YSLY1-3X16 | 3 | 16 | 119/0.4 | 20.8 | 409.8 | 765.4 |
| YSLY1-4X16 | 4 | 16 | 119/0.4 | 22.9 | 546.4 | 964.2 |



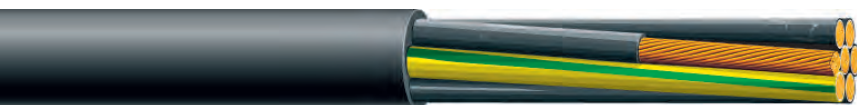
ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| YSLY1-5X16 | 5 | 16 | 119/0.4 | 25.2 | 683.1 | 1161.5 |
| YSLY1-7X16 | 7 | 16 | 119/0.4 | 27.6 | 956.3 | 1520.1 |
| YSLY1-3X25 | 3 | 25 | 182/0.4 | 25.3 | 675 | 1188.2 |
| YSLY1-4X25 | 4 | 25 | 182/0.4 | 28.2 | 900 | 1518 |
| YSLY1-5X25 | 5 | 25 | 182/0.4 | 31.3 | 1125 | 1838.2 |
| YSLY1-3X35 | 3 | 35 | 252/0.4 | 29.6 | 916.1 | 1585.5 |
| YSLY1-4X35 | 4 | 35 | 252/0.4 | 33 | 1221.5 | 2023.1 |
| YSLY1-5X35 | 5 | 35 | 252/0.4 | 36.6 | 1526.8 | 2438.8 |
| YSLY1-3X50 | 3 | 50 | 371/0.4 | 31.8 | 1301.8 | 2103 |
| YSLY1-4X50 | 4 | 50 | 371/0.4 | 35.3 | 1735.8 | 2678.7 |
| YSLY1-5X50 | 5 | 50 | 371/0.4 | 39.2 | 2169.7 | 3240.1 |
| YSLY1-3X70 | 3 | 70 | 342/0.5 | 37.4 | 1791.3 | 2832.3 |
| YSLY1-4X70 | 4 | 70 | 342/0.5 | 41.5 | 2388.4 | 3609.3 |
| YSLY1-5X70 | 5 | 70 | 342/0.5 | 46.1 | 3067.3 | 4455 |
| YSLY1-3X95 | 3 | 95 | 456/0.5 | 44 | 2339.7 | 3745.5 |
| YSLY1-4X95 | 4 | 95 | 456/0.5 | 48.9 | 3119.6 | 4792.1 |
| YSLY1-5X95 | 5 | 95 | 456/0.5 | 54.5 | 3899.5 | 5802.6 |
| YSLY1-3X120 | 3 | 120 | 589/0.5 | 48 | 3022.1 | 4654.3 |
| YSLY1-4X120 | 4 | 120 | 589/0.5 | 53.6 | 4029.5 | 5965.2 |
| YSLY1-3X150 | 3 | 150 | 740/0.5 | 51.8 | 3717.8 | 5636.1 |
| YSLY1-4X150 | 4 | 150 | 740/0.5 | 57.8 | 4957 | 7233.8 |



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 | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|--------------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| NYYC7X1/5RE | 7 | 1.5 | 1/1.36 | 14.48 | 91.99 | 318.1 |
| NYYC10X1/5RE | 10 | 1.5 | 1/1.36 | 17.44 | 131.42 | 464.26 |
| NYYC12X1/5RE | 12 | 1.5 | 1/1.36 | 17.88 | 157.7 | 502.02 |
| NYYC14X1/5RE | 14 | 1.5 | 1/1.36 | 18.67 | 183.99 | 569.41 |
| NYYC19X1/5RE | 19 | 1.5 | 1/1.36 | 20.4 | 249.7 | 705.03 |
| NYYC24X1/5RE | 24 | 1.5 | 1/1.36 | 23.36 | 315.41 | 919.75 |
| NYYC27X1/5RE | 27 | 1.5 | 1/1.36 | 23.82 | 354.83 | 976.91 |
| NYYC30X1/5RE | 30 | 1.5 | 1/1.36 | 24.59 | 394.26 | 1025.82 |
| NYYC37X1/5RE | 37 | 1.5 | 1/1.36 | 26.32 | 486.25 | 1201.51 |
| NYYC7X2/5RE | 7 | 2.5 | 1/1.73 | 15.59 | 148.86 | 404.4 |
| NYYC10X2/5RE | 10 | 2.5 | 1/1.73 | 18.92 | 212.65 | 595.75 |
| NYYC12X2/5RE | 12 | 2.5 | 1/1.73 | 19.43 | 255.18 | 651.27 |
| NYYC14X2/5RE | 14 | 2.5 | 1/1.73 | 20.3 | 297.72 | 741.09 |
| NYYC19X2/5RE | 19 | 2.5 | 1/1.73 | 22.25 | 404.04 | 928.81 |
| NYYC24X2/5RE | 24 | 2.5 | 1/1.73 | 25.58 | 510.37 | 1214.37 |
| NYYC27X2/5RE | 27 | 2.5 | 1/1.73 | 26.09 | 574.16 | 1297.44 |
| NYYC30X2/5RE | 30 | 2.5 | 1/1.73 | 26.96 | 637.96 | 1372.16 |
| NYYC37X2/5RE | 37 | 2.5 | 1/1.73 | 29.11 | 786.82 | 1631.68 |
| NYYC7X4RE | 7 | 4 | 1/2.2 | 18.2 | 235.91 | 589.94 |
| NYYC10X4RE | 10 | 4 | 1/2.2 | 22.4 | 337.02 | 884.54 |
| NYYC12X4RE | 12 | 4 | 1/2.2 | 23.05 | 404.42 | 973.72 |
| NYYC14X4RE | 14 | 4 | 1/2.2 | 24.14 | 471.82 | 1091.24 |
| NYYC19X4RE | 19 | 4 | 1/2.2 | 26.6 | 640.33 | 1380.29 |

Temperature limits:
- 20°C - + 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.



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 | No. of Cores | Conductor Size (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|--------------|-----------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |

Temperature limits: - 15°C
- + 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



continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-----------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables

continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 |

We reserve the right to make technical alterations and misprint without prior notice.



continuation of a table

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| 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 |
| 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 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|-----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H05VK0/5 | 0.5 | 16/0.2 | 2.12 | 4.16 | 8.2 |
| H05VK0/75 | 0.75 | 24/0.2 | 2.37 | 6.37 | 11.1 |
| H05VK1 | 1 | 32/0.2 | 2.5 | 8.87 | 13.9 |

Temperature limits:
- 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



RoHS



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|----------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H07VK1/5 | 1.5 | 30/0.25 | 3 | 12,01 | 19,2 |
| H07VK2/5 | 2.5 | 50/0.25 | 3.6 | 20,02 | 30 |
| H07VK4 | 4 | 56/0.25 | 4.2 | 31,81 | 43,9 |
| H07VK6 | 6 | 84/0.3 | 5 | 47,08 | 62,8 |
| H07VK10 | 10 | 80/0.4 | 6.5 | 82,4 | 108,2 |
| H07VK16 | 16 | 126/0.4 | 8 | 134,33 | 167,1 |
| H07VK25 | 25 | 196/0.4 | 9.9 | 212,82 | 261,7 |
| H07VK35 | 35 | 276/0.4 | 10.9 | 284,46 | 339 |
| H07VK50 | 50 | 396/0.4 | 13.3 | 418,78 | 496,8 |
| H07VK70 | 70 | 360/0.5 | 15.3 | 603,2 | 694,3 |
| H07VK95 | 95 | 475/0.5 | 17.3 | 817,84 | 935,5 |
| H07VK120 | 120 | 608/0.5 | 19.7 | 1038,84 | 1174,5 |
| H07VK150 | 150 | 756/0.5 | 21.6 | 1305,17 | 1472,1 |
| H07VK185 | 185 | 925/0.5 | 23.3 | 1500,94 | 1700,5 |
| H07VK240 | 240 | 1221/0.5 | 27.2 | 2088,27 | 2345,9 |

Temperature limits: - 15°C - + 70°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



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



H03VV-F (218*Y) PVC FLEXIBLE CORDS

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

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) |
|---------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|
| H03VVVF2X0/5 | 2 | 0.5 | 15/0.198 | 5.04 | 8.46 | 35.3 |
| H03VVVF2X0/75 | 2 | 0.75 | 23/0.198 | 5.54 | 12.96 | 44.6 |
| H03VVVF3X0/5 | 3 | 0.5 | 15/0.198 | 5.33 | 12.68 | 42.0 |
| H03VVVF3X0/75 | 3 | 0.75 | 23/0.198 | 5.87 | 19.45 | 53.8 |
| H03VVVF4X0/5 | 4 | 0.5 | 15/0.198 | 5.8 | 16.9 | 52.0 |
| H03VVVF4X0/75 | 4 | 0.75 | 23/0.198 | 6.4 | 25.9 | 67.0 |

Temperature limits: - 15°C - + 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;



H05VV-F (318*X) PVC FLEXIBLE CORDS

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

| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) | Temperature limits: - 15°C - + 70°C |
|--------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H05VVF2X0/75 | 2 | 0.75 | 23/0.198 | 6.34 | 12.96 | 55.33 | Max. temperature of conductor: + 70°C |
| H05VVF2X1 | 2 | 1 | 30/0.198 | 6.60 | 18.04 | 63.48 | |
| H05VVF2X1/5 | 2 | 1.5 | 30/0.238 | 7.60 | 26.96 | 86.49 | Short-circuit temperature: + 150°C |
| H05VVF2X2/5 | 2 | 2.5 | 50/0.238 | 9.20 | 41.34 | 128.01 | |
| H05VVF2X4 | 2 | 4 | 5/0.3 | 10.6 | 67.3 | 179.0 | Bending radius: 3 x overall diameter. |
| H05VVF3X0/75 | 3 | 0.75 | 23/0.198 | 6.70 | 19.45 | 65.63 | |
| H05VVF3X1 | 3 | 1 | 30/0.198 | 6.99 | 27.06 | 76.49 | Colors available: White, Black or Grey. |
| H05VVF3X1/5 | 3 | 1.5 | 30/0.238 | 8.26 | 40.44 | 108.93 | |
| H05VVF3X2/5 | 3 | 2.5 | 50/0.238 | 9.95 | 62.00 | 160.47 | 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 |
| H05VVF3X4 | 3 | 4 | 5/0.3 | 11.2 | 100.9 | 221.0 | |
| H05VVF4X0/75 | 4 | 0.75 | 23/0.198 | 7.32 | 25.93 | 80.33 | |
| H05VVF4X1 | 4 | 1 | 30/0.198 | 7.84 | 36.08 | 97.83 | |
| H05VVF4X1/5 | 4 | 1.5 | 30/0.238 | 9.24 | 53.92 | 138.90 | |
| H05VVF4X2/5 | 4 | 2.5 | 50/0.238 | 10.89 | 82.67 | 198.66 | |
| H05VVF4X4 | 4 | 4 | 5/0.3 | 12.5 | 134.6 | 282.0 | |
| H05VVF5X0/75 | 5 | 0.75 | 23/0.198 | 8.20 | 32.41 | 100.67 | |
| H05VVF5X1 | 5 | 1 | 30/0.198 | 8.55 | 45.09 | 118.18 | |
| H05VVF5X1/5 | 5 | 1.5 | 30/0.238 | 10.30 | 67.40 | 172.86 | |
| H05VVF5X2/5 | 5 | 2.5 | 50/0.238 | 12.12 | 103.34 | 246.79 | |
| H05VVF5X4 | 5 | 4 | 5/0.3 | 14.14 | 168.0 | 356.0 | |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) | Temperature limits: - 30°C - + 90°C Max. temperature of conductor: + 90°C Short-circuit temperature: + 150°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 |
|------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H05V2K0/5 | 0.5 | 16/0.2 | 2,12 | 4,16 | 8,3 | |
| H05V2K0/75 | 0.75 | 24/0.2 | 2,37 | 6,37 | 11,2 | |
| H05V2K1 | 1 | 32/0.2 | 2,5 | 8,31 | 13,5 | |
| H07V2K1/5 | 1.5 | 30/0.25 | 3.0 | 11,9 | 19,2 | |
| H07V2K2/5 | 2.5 | 50/0.25 | 3,6 | 19,8 | 30,1 | |
| H07V2K4 | 4 | 56/0.25 | 4,2 | 31,5 | 43,9 | |
| H07V2K6 | 6 | 84/0.3 | 5.0 | 46,6 | 62,8 | |
| H07V2K10 | 10 | 80/0.4 | 6,5 | 81,6 | 108,1 | |
| H07V2K16 | 16 | 126/0.4 | 8.0 | 133.0 | 166,7 | |
| H07V2K25 | 25 | 196/0.4 | 9,9 | 210,7 | 261,0 | |
| H07V2K35 | 35 | 276/0.4 | 10,9 | 281,6 | 337,8 | |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Flexible Cables, Control and Speaker Cables



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) | Cu Weight (Kg/km) | Cable Weight (Kg/km) | Temperature limits: - 30°C - + 105°C |
|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tri rated10 | 10 | 80/0.4 | 6,5 | 81,6 | 106,9 | Max. temperature of conductor: + 70°C |
| Tri rated16 | 16 | 126/0.4 | 8 | 133,0 | 165,3 | |
| Tri rated25 | 25 | 196/0.4 | 9,9 | 210,7 | 258,8 | Short-circuit temperature: + 150°C |
| Tri rated35 | 35 | 276/0.4 | 10,9 | 281,6 | 335,3 | |
| Tri rated50 | 50 | 396/0.4 | 13,3 | 414,6 | 491,4 | Bending radius: 6 x overall diameter. |
| Tri rated70 | 70 | 360/0.5 | 15,3 | 597,1 | 686,9 | |
| Tri rated95 | 95 | 475/0.5 | 17,3 | 809,6 | 925,4 | Standard colors available: Green/Yellow, Blue, Red, Brown, Black, Green, Yellow, Violet. Other colors are available according to customer requirements |
| Tri rated120 | 120 | 608/0.5 | 19,7 | 1028,4 | 1161,9 | |
| Tri rated150 | 150 | 756/0.5 | 21,6 | 1292,0 | 1456,4 | |
| Tri rated185 | 185 | 925/0.5 | 23,3 | 1485,8 | 1682,3 | |
| Tri rated240 | 240 | 1221/0.5 | 27,2 | 2067,2 | 2320,9 | |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

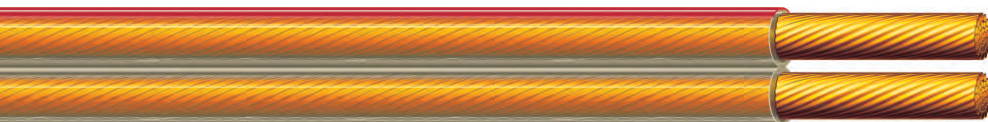
Flexible Cables, Control and Speaker Cables



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 | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) | Temperature limits: - 30°C - + 70°C |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|------------------------------------------------------------------------------------------------------------------|
| NYIFYF2X1/5 | 2 | 1.5 | 30/0.238 | 4.0x12.5 | 24.02 | 63.5 | Max. temperature of conductor: + 70°C |
| NYIFYF2X2/5 | 2 | 2.5 | 50/0.238 | 5.2x13.5 | 40.04 | 92.5 | Short-circuit temperature: + 160°C |
| NYIFYF2X4 | 2 | 4 | 50/0.3 | 6.0x15.5 | 63.62 | 123.3 | Bending radius: 8 x overall diameter. |
| NYIFYF3X1/5 | 3 | 1.5 | 30/0.238 | 4.4x19.0 | 36.04 | 95.3 | Colors available: White. Core Identification: - 2 cores: Brown - Blue; - 3 cores : Brown - Black - Grey |



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.

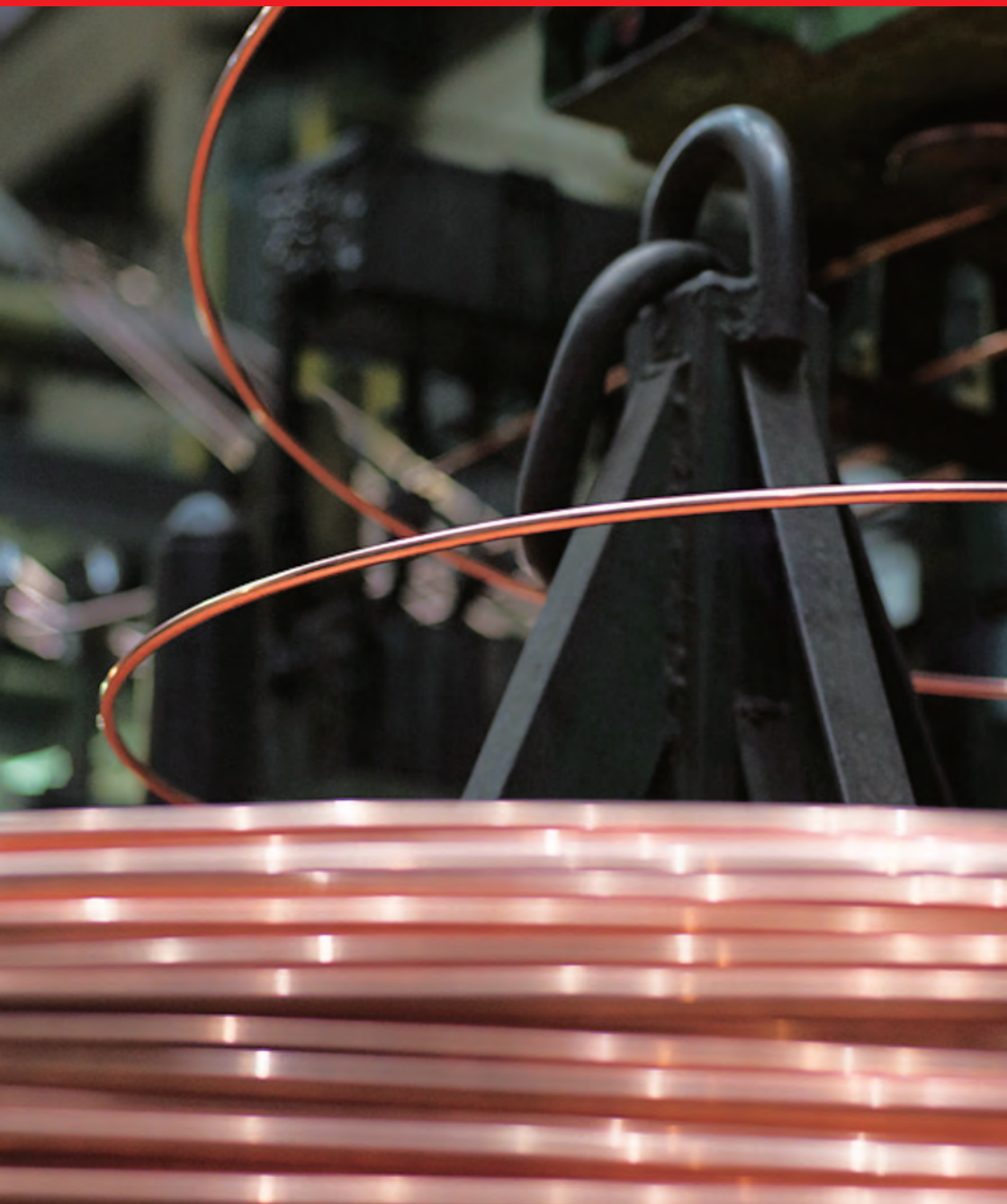
| ECG Code | No. of Cores | Conductor Size, (mm ²) | Stranding | Overall Diameter (mm) | Cu Weight (Kg/km) | Cable Weight (Kg/km) | Temperature range during installation: -5 to +70°C |
|-------------|--------------|------------------------------------|-----------|-----------------------|-------------------|----------------------|-----------------------------------------------------------------------------------------|
| NYFAZ2X0/75 | 2 | 0.75 | 23x0,198 | 2.5 x 5.2 | 12.6 | 23.2 | Temperature range fixed installed: -30 to +70°C |
| NYFAZ2X1 | 2 | 1 | 30x0,198 | 2.6 x 5.4 | 16.4 | 27.8 | Max. temperature of conductor: +70°C |
| NYFAZ2X1/5 | 2 | 1.5 | 30x0,238 | 2.9 x 6.0 | 23.7 | 36.7 | Bending radius: 12 x overall diameter. |
| NYFAZ2X2/5 | 2 | 2.5 | 50x0,238 | 3.6 x 7.4 | 39.6 | 57.5 | Standard colors available: transparent, one conductor marked with longitudinal red line |
| NYFAZ2X4 | 2 | 4 | 50x0,3 | 4.1 x 8.4 | 62.9 | 84.7 | |
| NYFAZ2X6 | 2 | 6 | 74x0,3 | 4.7 x 9.5 | 93.0 | 121.9 | |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Bare copper products

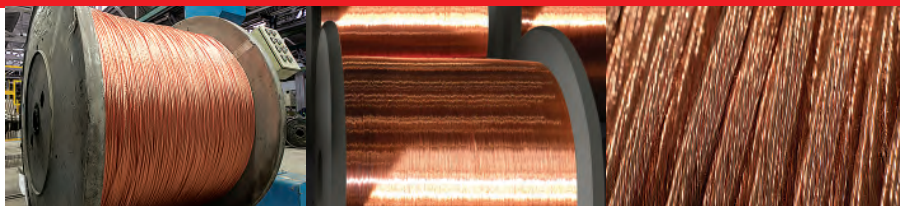




ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Bare copper products



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 0,18 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 comes tighten.

Conductors delivered on:

- Drum № 560 wooden
- Drum № 1250 - metal and wooden
- Drum № 630 - metal and plywood
- Drums № 5 - № 20 wooden

The most actual constructions

| conductor cross-section, mm ² | Construction | Electrical resistance to direct current of 1 km of conductor at 20°C Ohm, not more than | Weight 1 km of conductor, kg (for reference) |
|------------------------------------------|--------------|-----------------------------------------------------------------------------------------|----------------------------------------------|
| 0,5 | 15x0,198 | 39 | 4,160 |
| 0,75 | 23x0,198 | 26,00 | 6,37 |
| 1,0 | 30x0,198 | 19,5 | 8,04 |
| 1,5 | 30x0,238 | 13,3 | 12,01 |
| 2,5 | 50x0,238 | 7,98 | 20,02 |
| 4,0 | 50x0,3 | 4,95 | 31,81 |
| 6,0 | 74x0,3 | 3,3 | 47,08 |
| 10,0 | 72x0,4 | 1,91 | 81,27 |
| 16,0 | 119x0,4 | 1,21 | 134,33 |
| 25,0 | 196x0,4 | 0,78 | 212,82 |
| 35 | 266x0,4 | 0,554 | 300,26 |
| 50 | 378x0,4 | 0,386 | 426,68 |
| 70 | 342x0,5 | 0,272 | 603,20 |
| 95 | 456x0,5 | 0,206 | 817,84 |
| 120 | 589x0,5 | 0,161 | 1038,84 |
| 150 | 740x0,5 | 0,129 | 1305,17 |
| 185 | 851x0,5 | 0,106 | 1500,94 |
| 240 | 1184x0,5 | 0,0801 | 2088,27 |
| 300 | 1110x0,57 | 0,0641 | 2544,30 |
| 400 | 1403x0,57 | 0,0486 | 3215,90 |



ELECTRO CABLE GROUP

Zaporozhye Factory of Non-Ferrous Metals

Bare copper products



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.

Tolerance at diameter:

from 0,15 to 0,2mm $\pm 0,002$ mm Elongation, not less 19%

from 0,2 to 0,3mm $\pm 0,003$ mm Elongation, not less 20%

from 0,3 to 0,4mm $\pm 0,003$ mm Elongation, not less 20%

from 0,4 to 0,5mm $\pm 0,005$ mm Elongation, not less 20%

from 1,17 to 2,95mm $\pm 0,01$ mm Elongation, not less 30%

from 2,95 to 3,56mm $\pm 0,02$ mm Elongation, not less 30%

Specific electric resistance, not more 0,01724 Ohm x mm²/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,% | | | | | | | | |
| 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, \varnothing 8 mm and Cu-OF1 DSTU:EN 1977:2009, \varnothing 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 | Fact | Standard Cu-OF1 |
|--------------------------------------------------------------------|----------------|---------|-----------------|
| Diameter of copper wire, mm, not more | (8 \pm 0,4) | 8,024) | (8 \pm 0,4) |
| Ovality, mm, not more | \pm 0,4 | 0,05 | \pm 0,4 |
| Hydrogen embrittlement, number of bends | until break | 21 | until break |
| Elongation,% , not less | 30 | 41 | 30 |
| Specific electrical resistance, Ohm x mm ² /m, not less | 0,01724 | 0,01713 | 0,01707 |

Packing and dimensions

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

Официальный поставщик ЗЗЦМ

ElectroTorg

ELECTRO CABLE GROUP

Ukraine, Zaporozhye, 9, Novostroyek str., 69076

Reception: +38 (061) 222-30-70, 222-30-90 (fax)

office@ecg.in.ua

www.zzcm.com.ua

electrotorg.biz.ua

