

MERCOR

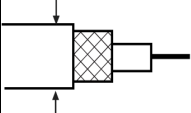
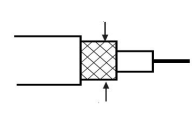
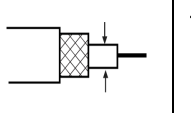
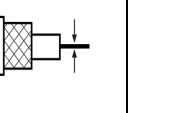
Manufacturer of electric and electronic cables, coaxial cables, alarm, audio cables. Copper wires and ropes

Coaxial cables

Apply: Connection between TV and aerials, satellite aerials and monitoring system.

Symbols: YWDXpek – coaxial cable (W), high frequency, core - copper single wire (D), dielectric: solid polyethylene foam (Xp), outside vein – aluminium tape (ek) copper braid and PVC coat.

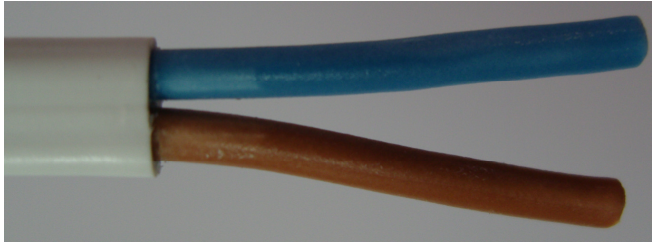
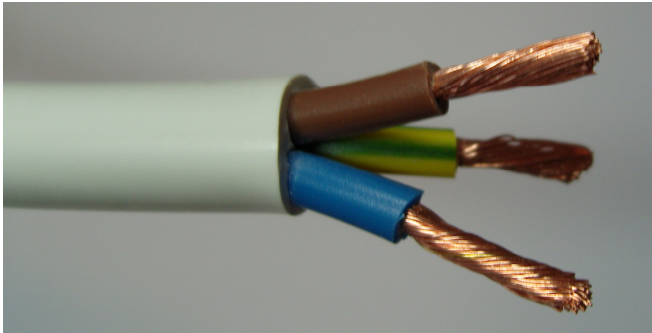
YWDXek - coaxial cable (W), high frequency, core - copper single wire (D), PVC insulation (X), outside vein –aluminium tape (ek) copper braid and PVC coat.

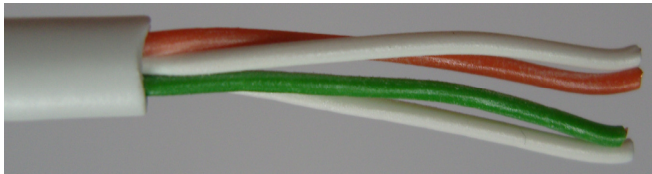
Symbol (mm ²)				
YWDXek 75-0,59/3,7 40% braid Cu	coat PCV 5.80 ± 0.2	Foil Al, braid Cu	3.7 full PE	Cu 0.59
YWDXek 75-0,59/3,7 60% braid CuSn	coat PCV 5.80 ± 0.2	Foil Al, braid CuSn	3.7 full PE	Cu 0.59
YWDXek 75-0,75/4,8	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 full PE	Cu 0.75
YWDXpek 75-0,8/3,7	coat PCV 5.80 ± 0.2	Foil Al, braid Cu	3.7 PE Foam	Cu 0.81
YWDXpek 75-1,00/4,8 40% braid Cu	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 PE Foam	Cu 1.00
YWDXpek 75-1,00/4,8 60% braid CuSn	coat PCV 6.80 ± 0.2	Foil Al, braid CuSn	4.8 PE foam	Cu 1.00
YWDXpek 75-1,13/4,8	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 PE Foam	Cu 1.13
YWDXpek 75-1,15/4,8 40% braid Cu	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 PE Foam	Cu 1.15
YWDXpek 75-1,15/4,8 60% braid CuSn	coat PCV 6.80 ± 0.2	Foil Al, braid CuSn	4.8 PE Foam	Cu 1.15
YWD 75-0,59/3,7 70% braid Cu	coat PCV 5.80 ± 0.2	Braid Cu	3.7 full PE	Cu 0.59
YWD 75- 059/3,7 90% braid Cu	coat PCV 5.80 ± 0.2	Braid Cu	3.7 full PE	Cu 0.59
RG 59	coat PCV 6.10 ± 0.2	braid Cu	3.7 full PE	Cu 0.59
RG 6	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 full PE	Cu 1.00
RG 6	Coat PVC 6.80 ± 0.2	Foil Cu braid Cu	4.8 full PE	Cu 1.00



jelly coaxial cable				
YWDXpek 75-1,15/4,8	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 PE Foam	Cu 1.15
RG 6	coat PCV 6.80 ± 0.2	Foil Al, braid Cu	4.8 PE Foam	Cu 1.00
coaxial cable with supply				
Apply: Coaxial cable with supply, enable connection 12V with cameras (monitoring). Symbols: YWDXpek - coaxial cable (W), high frequency, core - copper single wire (D), dielectric: solid polyethylene foam (Xp), outside vein – aluminium tape (ek) copper braid and PVC coat. LgY – cable with copper conductor; L – multiwire; g – flexible; Y – PVC coat.				
Symbol (mm ²)				
YWDXek 75-0,59/3,7 + 2 x LgY 0,35 40% braid Cu	-----	-----	0.35	-----
YWDXek 75-0,59/3,7 + 2 x LgY 0,50 40% braid Cu	-----	-----	0.50	-----
YWDXek 75-0,59/3,7 + 2 x LgY 0,75 40% braid Cu	-----	-----	0.75	-----
YWDXek 75-0,59/3,7 + 2 x LgY 1,00 40% braid Cu	-----	-----	1.00	-----
YWD 75-0,59/3,7 + 2 x LgY 0,35 70% braid Cu	-----	-----	0.35	-----
YWD 75-0,59/3,7 + 2 x LgY 0,50 70% braid Cu	-----	-----	0.50	-----
YWD 75-0,59/3,7 + 2 x LgY 0,75 70% braid Cu	-----	-----	0.75	-----
YWD 75-0,59/3,7 + 2 x LgY 1,00 70% braid Cu	-----	-----	1.00	-----

Movable receiver cables
Electric cables with copper multiwire conductor applied in movable receivers. Apply: Electric cables for inside usage; for example in kitchen, office: extension lead, household appliances, radio set, lamps. Symbols: O – PVC coat; M – inside buildings; Y – copper conductor and PVC insulation; p – plat.
H03VV-F (OMY) symbol (mm ²) 300/300 V
OMY 2x0,5 OMY 2x0,75 OMY 2x1 OMY 2x1,5 OMY 3x0,5 OMY 3x0,75 OMY 3x1 OMY 3x1,5 OMY 4x0,5 OMY 4x0,75 OMY 4x1 OMY 5x0,5 OMY 5x0,75

Cables applied in movable receivers, for example: lamps, extensions.		
H03VVH2-F (OMYp) symbol (mm ²) 300/300 V		
OMYp 2x0,50 OMYp 2x0,75 OMYp 2x1,00 OMYp 2x1,5 OMYp 3x0,5		
Electric cables applied in movable receivers with PVC insulation and coat. Apply: For inside movable receivers. Houses, Agricultural usage, Factories and workshops. Symbols: O – PVC coat; W – workshop; Y – copper conductors, PVC insulation		
H05VV-F (OWY) symbol (mm ²) 300/500 V		
OWY 2x0,5 OWY 2x0,75 OWY 2x1 OWY 2x1,5 OWY 2x2,5 OWY 2x4 OWY 3x0,5 OWY 3x0,75 OWY 3x1 OWY 3x1,5 OWY 3x2,5 OWY 3x4 OWY 3x6 OWY 3x10 OWY 4x0,5 OWY 4x0,75 OWY 4x1,0 OWY 7x2,5		OWY 4x1,5 OWY 4x2,5 OWY 4x4 OWY 4x4 OWY 4x6 OWY 4x10 OWY 4x16 OWY 4x16 OWY 5x0,5 OWY 5x0,75 OWY 5x1 OWY 5x1,5 OWY 5x2,5 OWY 5x4 OWY 5x6 OWY 7x1 OWY 7x1,5
OWYzo – if cable Has protection strand (yellow-green), symbol should be complete with „zo” letters.		

Telecommunicate cables		
Apply: Cables applied In connections between telephone set, telegraphic and transmission devices. Data processing devices and similar.		
symbol (mm ²)		
YTKSY 1 x 2 x 0,50 YTKSY 2 x 2 x 0,50 YTKSY 3 x 2 x 0,50 YTKSY 4 x 2 x 0,50 YTKSY 5 x 2 x 0,50		
Cables over 6 we made to order		
CABLE TDY Made to order		
Telecommunicate cable for set-up, with tinned single wire conductor and PVC insulation. Apply: Connection between telecommunicate devices.		
Construction:	1 - conductor : annealed tinned copper wire	2 - Insulation: PVC
TDY 1x0,4	TDY 1x0,6	TDY 1x0,9
TDY 1x0,5	TDY 1x0,8	TDY 1x1,0
CABLE TDY d Made to order		
Telecommunicate cable for set-up, with single wire conductor and bigger thickness of PVC insulation. Apply: Connection between telecommunicate devices.		
Construction:	1 – conductor : annealed wire	2 – Insulation : PVC - bigger thickness
TDY d 1x0,4	TDY d 1x0,5	TDY d 1x0,6

CABLE TDX

Made to order

Telecommunicate cable for set-up, with single wire conductor and Polyethylene insulation.

Apply: Connection between telecommunicate devices.

Construction: 1 – conductor : annealed copper wire 2 – Insulation : polyethylene

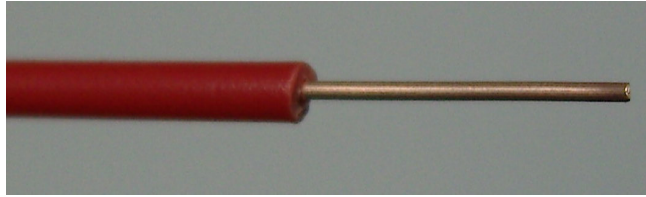
TDX 1x0,4

TDX 1x0,5

TDX 1x0,6

TDX 1x0,8

TDX 1x0,9



Cables to House-entry system

Apply: low voltage installation:

- Installation of house-entry system, alarm system
- Remote control, Signal transmission, data transmission
- Applied in telephony

Symbols: Y - PVC coat; TD – single wire conductors, copper; Y – PVC insulation
symbol (mm²)

YTDY 2x0,50

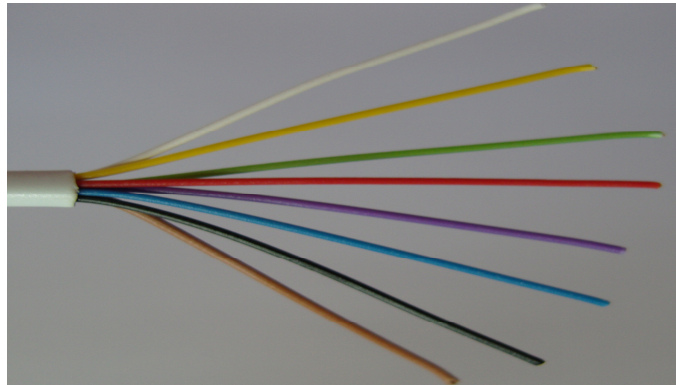
YTDY 4x0,50

YTDY 6x0,50

YTDY 8x0,50

YTDY 10 x 0,50

YTDY 12 x 0,50

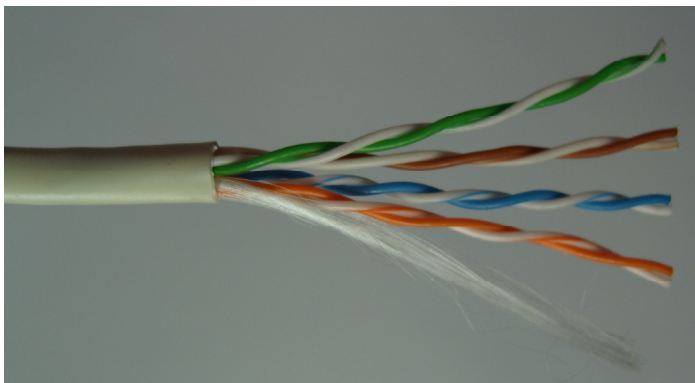


Computer network cable

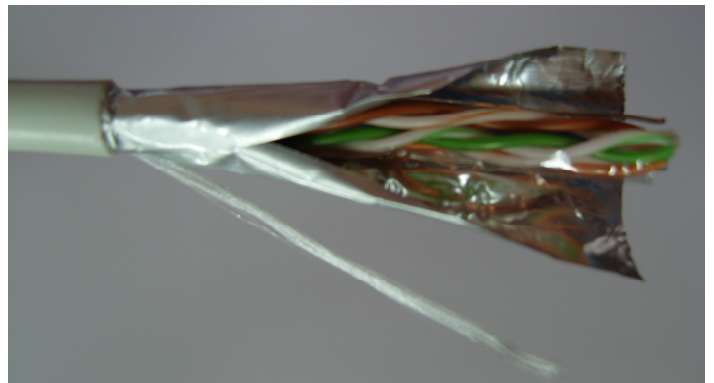
UTP – Unshielded Twisted Pair cable category 5e. Cable with twisted pairs, cores insulation – polyethylene and PVC coat.
FTP – Foiled Twisted Pair cable category 5e. Cable with twisted pairs, cores insulation – polyethylene, surrounded by aluminium foil PET/AL and PVC coat.

Apply: Wire type for telephone usage, computer networking, especially as patch cables or temporary network connections due to the high flexibility of the cables.

symbol (mm²)



UTP cat.5e 4 x 2 x 0,50



FTP cat.5e 4 x 2 x 0,50

Single-wire conductors

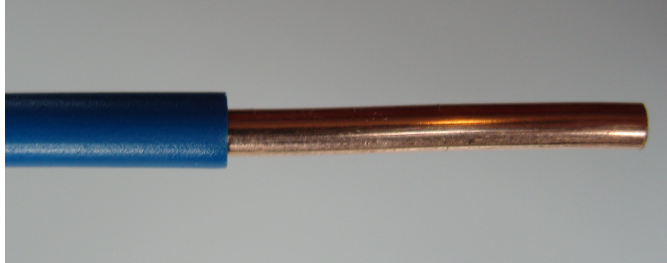
Electric cables with copper single wire conductor and PVC coat.

Apply: Inside connections and inside installations In devices.

Symbols: D – single copper wire; Y – PVC coat.

H07V-U (DY) symbol (mm²) 450/750 V

DY 0,75
DY 1
DY 1,5
DY 2,5
DY 4
DY 6
DY 10



H05V-U (DY) symbol (mm²) 300/500 V

DY 1

DY 1,5

DY 2,5

DY 4

DYc (H07V2-U / H05V2-U) – like above but thermo stability PVC coat

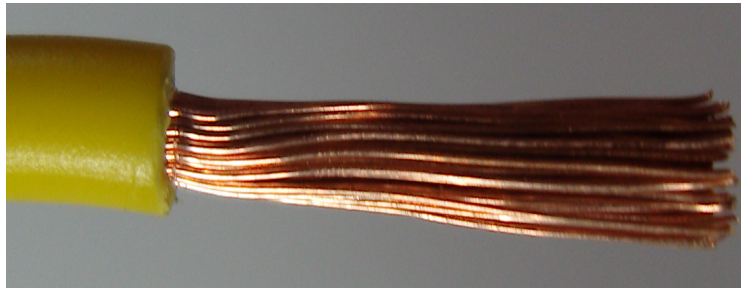
Electric cable with flexible copper multiwire conductor.

Apply: Set up In rooms where is many bands, usage to movable connections inside machines, steering Boxes and also In installation pipes inside buildings.

Symbols: LgY – copper conductor; L – Multiwire; g – flexible; Y – normal PVC coat

H07V-K (LgY) symbol (mm²) 450/750 V

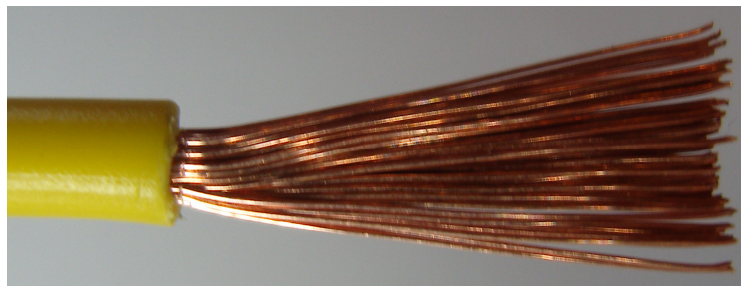
LgY 0,75
LgY 1
LgY 1,5
LgY 2,5
LgY 4
LgY 6
LgY 10
LgY 16
LgY 25



LgY 35
LgY 50
LgY 70
LgY 95
LgY 120
LgY 150
LgY 185
LgY 240

H05V-K (LgY) symbol (mm²) 300/500 V

LgY 0,35
LgY 0,5
LgY 0,75
LgY 1
LgY 1,5
LgY 2,5



LgYc (H07V2-K / H05V2-K) – like above but thermo stability PVC coat

Multiwire cable

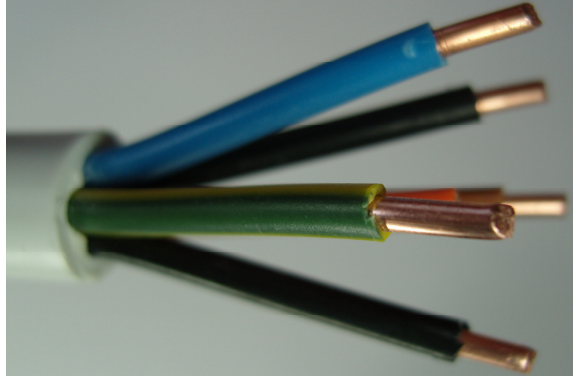
Electric power cables applied in not movable installations.

Apply: Cables applied in not movable installations, without any extra protection, under and over the plaster in buildings in dry and damp rooms. To permanently set up in power devices.

Symbols: Y - PVC coat; D - single copper strand; Y - PVC insulation; p - plat; t - plastering;

symbol (mm²) 450/750 V

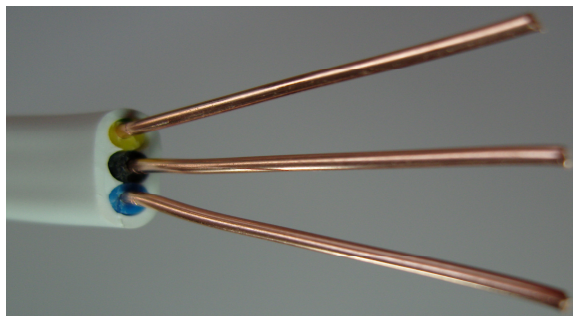
YDY 2x1
YDY 2x1,5
YDY 2x2,5
YDY 2x4
YDY 2x6
YDY 2x10
YDY 3x1
YDY 3x1,5
YDY 3x2,5
YDY 3x4
YDY 3x6
YDY 3x10



YDY 4x1
YDY 4x1,5
YDY 4x2,5
YDY 4x4
YDY 4x6
YDY 4x10
YDY 5x1
YDY 5x1,5
YDY 5x2,5
YDY 5x4
YDY 5x6

symbol (mm²) 450/750 V

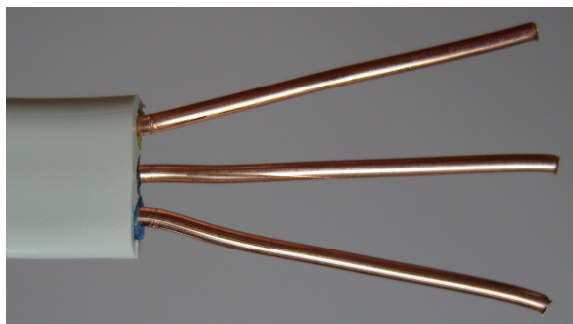
YDYp 2x1
YDYp 2x1,5
YDYp 2x2,5
YDYp 2x4
YDYp 2x6
YDYp 2x10
YDYp 3x1
YDYp 3x1,5
YDYp 3x2,5
YDYp 3x4



YDYp 3x6
YDYp 3x10
YDYp 4x1
YDYp 4x1,5
YDYp 4x2,5
YDYp 4x4
YDYp 4x6
YDYp 5x1,5
YDYp 5x2,5

symbol (mm²) 300/500 V

YDYp 2x0,5
YDYp 2x0,75
YDYp 2x1
YDYp 2x1,5
YDYp 2x2,5
YDYp 2x4
YDYp 2x6
YDYp 3x0,5
YDYp 3x0,75
YDYp 3x1

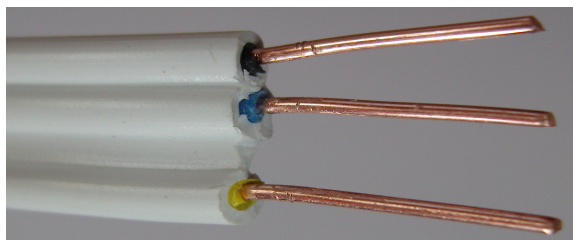


YDYp 3x1,5
YDYp 3x2,5
YDYp 3x4
YDYp 3x6
YDYp 4x1
YDYp 4x1,5
YDYp 4x2,5
YDYp 4x4
YDYp 4x6

YDYpzo – like above but with protection strand (yellow-green).

symbol (mm²) 450/750 V

YDYt 2x1
YDYt 2x1,5
YDYt 2x2,5
YDYt 3x1
YDYt 3x1,5
YDYt 3x2,5



symbol (mm²) 300/500 V

YDYt 2x1
YDYt 2x1,5

YDYt 2x2,5
YDYt 3x1

YDYt 3x1,5
YDYt 3x2,5

YDYtzo – like above but with protection strand (yellow-green).

YKY Cable

Apply: Power transmission – Power lines In the open air, water, concrete, inside rooms, cables tube, directly in the ground.

Rated voltage: 0,6/ 1 kV

insulations colour:

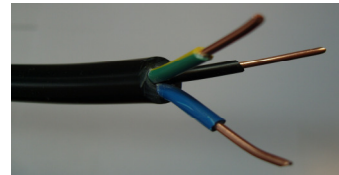
2 - strand: black, blue

3 - strand: black, blue, yellow-green

4 - strand: black, black, blue, brown

4 - strand: black, blue, brown, yellow-green

5 - strand: black, black, blue, brown, yellow-green



Low voltage cable, acoustic

TLYp – Black cable with red or white lengthways stripe on one of the strands

TLgYp – Transparent cable with black or red lengthways strip on one of the strand (very flexible)

Apply: Applied to connections between speakers and amplifiers.

Symbols: T – telecommunicate cable; L – copper ropes strands ; Y – PCV insulation; g - flexible; p - plat

symbol (mm²)

TLYp 2x0,22

TLYp 2x0,35

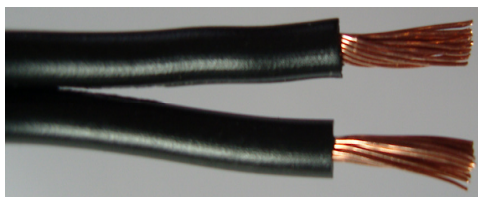
TLYp 2x0,50

TLYp 2x0,75

TLYp 2x1,00

TLYp 2x1,50

TLYp 2x2,5



Cables In transparent insulation

symbol (mm²)

TLgYp 2x0,22

TLgYp 2x0,35

TLgYp 2x0,50

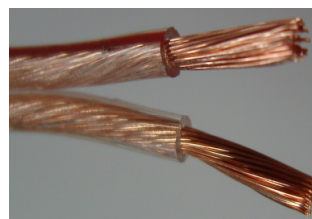
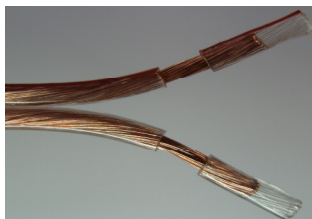
TLgYp 2x0,75

TLgYp 2x1,00

TLgYp 2x1,50

TLgYp 2x2,50

TLgYp 2x4,00



Power cables

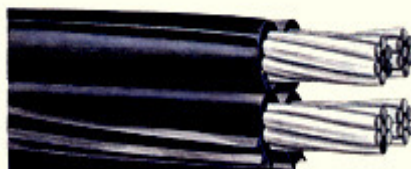
Cable AsXS_n 0,6/1kV

Power cable with aluminium strands and flames expansion resistant polyethylene insulation.

Apply: Electrical power Lines set-up on the buildings and open wire line.

Marking: Digital Mark or lengthways ramps, which number is this same like strands number. In 6-strand cables, smaller diameter strands are marked: one strand is marked "0", second-one ramp.

Symbols: AsXS_n – Electrical Power cable (s) aluminium strands (A) Polyethylene insulation (XS) flames expansion resistant (n)



Cars cables

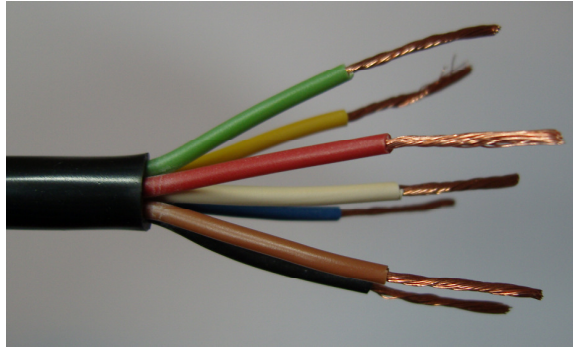
Cable with PVC insulation and coat, applied In trailers.

Apply: Cables to connections between vehicles and trailers.

Symbols: Cable with copper ropes strands (L) PVC insulation (Y) PVC coat (Y) to vehicles (S)

symbol (mm²) 250 V

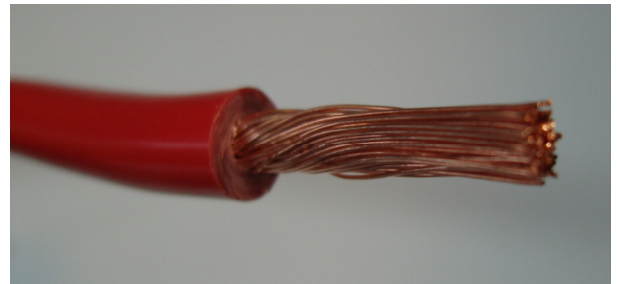
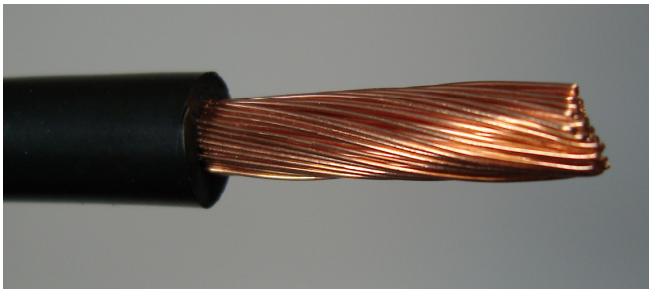
YLYs 5 x 0,5
YLYs 6 x 0,5
YLYs 7 x 0,5
YLYs 7 x 0,75
YLYs 7 x 1,0
YLYs 7 x 1,5
YLYs 6 x 0,5 + 1 x 1,0
YLYs 6 x 0,75 + 1 x 1,0
YLYs 6 x 1,0 + 1 x 1,5



MPR

Cables to motor vehicle battery.

Rope Cu mm ²	1,0	1,5	2,5	3,1	3,2	6,0	10,0	16,0	25,0
Outside diam. mm	7,0	7,0	7,5	8,0	8,0	9,0	9,0	9,5	12,2

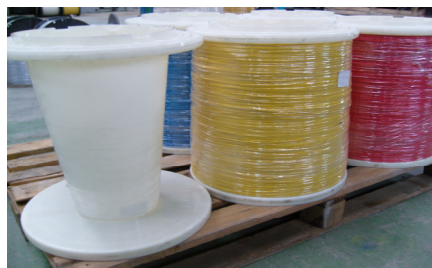


FLRY A and B

Apply: Applied Only In low voltage installations under 50V In Roads vehicles.

Symbols: Cars cables(FL), single strand, low voltage, thin coat (R) cars PVC class A (Y), class B (YW), one and two-colored, copper wires strand (B), twisted in one direction (A) , destination to use in temperate climate. Cables do not depend of low voltages directive 73/23/EWG

symbol (mm²) <50V



FLRY - A

FLRY - B

Wires, Bands

Copper wires
DN m

Material: Copper In quality not worse than M1E according to PN - 77/H - 82120

Apply: DNm applied to Winding In machines and apparatus Or Any other electric devices. Wires DNm applied In manufacture of electric cables.

Symbols: DN m: Winding wire (DN) copper, nude, round and flexible (m)

available diameters of copper wires (mm):

0,09	0,40	1,10	1,50	2,24	3,54
0,10	0,45	1,13	1,71	2,26	3,56
0,13	0,50	1,15	1,73	2,50	3,60
0,15	0,60	1,31	1,75	2,72	4,00
0,162	0,70	1,33	1,76	2,76	4,40
0,20	0,75	1,35	1,78	2,78	5,00
0,25	0,80	1,36	1,80	3,00	6,00
0,30	1,00	1,38	2,00	3,25	8,00
0,35	1,05	1,40	2,21	3,50	



Tinned copper wires Dc, Dcem

Tinned copper wires for cables industry.

Norm: PN - 74/E – 90150

Material: Copper In quality not worse than M1E according to PN -77/H-82120, mechanical electrical properties according to PN - 83/E - 90150. Tin in quality not worse than Sn 99,85 according to PN - 74/H - 82204 (re Dcem)

Apply: Wires Dcem destined to Brazed connections In electronic devices and to cables manufacturing. Wire Dc destined to cables manufacturing.

Symbols: Dc: wire (D), tinned (c); Dcem: wire (D), tinned (c), electrolytic (e), annealed (m)

Available diameters of wires (mm):

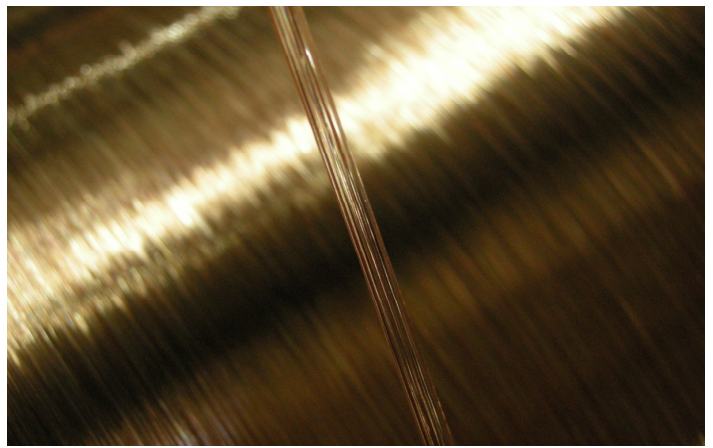
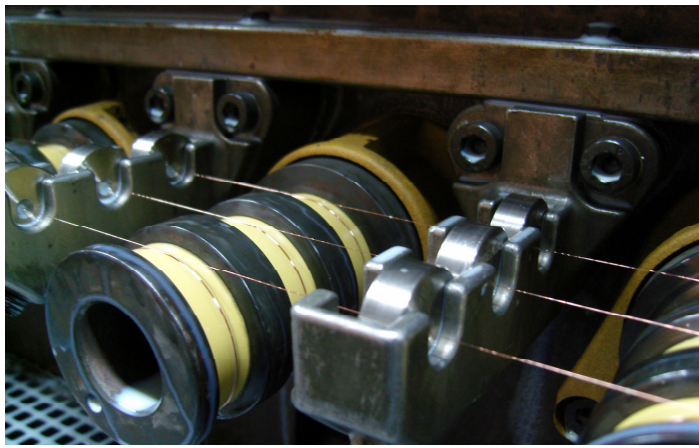
0,09	0,20	0,45	0,80	1,15	1,38
0,10	0,25	0,50	1,00	1,31	
0,13	0,30	0,60	1,05	1,33	
0,15	0,35	0,70	1,10	1,35	
0,162	0,40	0,75	1,13	1,36	



Copper bands

Copper bands construction we produce (nude and tinned):

4x0,10mm	7x0,15mm	7x0,20mm	7x0,25mm	5x40mm	
6x0,13mm	8x0,15mm	8x0,20mm	3x0,30mm	6x0,40mm	
2x0,15mm	9x0,15mm	11x0,20mm	4x0,30mm	7x0,40mm	
3x0,15mm	10x0,1mm	16x0,20mm	6x0,30mm	8x0,40mm	
4x0,15mm	12x0,15mm	17x0,20mm	13x0,30mm	9x0,40mm	
5x0,15mm	3x0,20mm	21x0,20mm	14x0,30mm	10x0,40mm	
6x0,15mm	4x0,20mm	25x0,20mm	4x0,40mm	12x0,40mm	

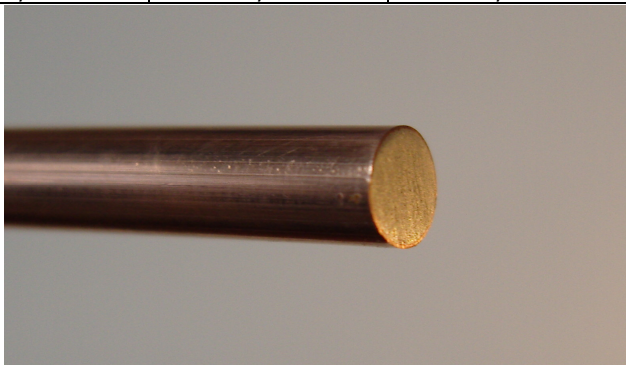


Copper Clad Aluminium Wire CCA

10% - 15% copper

Available diameters of wires (mm):

0,20	0,40	0,75	1,10	1,35	4,40
0,25	0,45	0,80	1,13	1,36	5,08
0,30	0,50	1,00	1,31	3,60	
0,35	0,70	1,05	1,33	4,00	



Steel Wire Annealed Steel Wire

Available diameters of wires (mm):

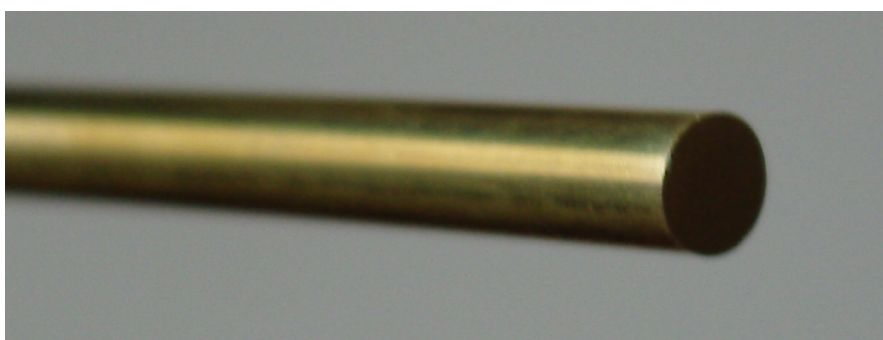
0,45	0,50	0,60	0,70	0,80
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Brass Wire

Available diameters of wires (mm):

0,15	0,20	0,25	0,30	0,35	0,40
0,50	0,60	0,70	0,75	0,80	1,00



Aluminium Wire

Available diameters of wires (mm):

0,40	1,05	1,38	1,80	2,78	4,40
0,45	1,10	1,40	2,00	3,00	5,00
0,50	1,13	1,50	2,21	3,25	6,00
0,60	1,15	1,71	2,24	3,50	8,00
0,70	1,31	1,73	2,26	3,54	9,50
0,75	1,33	1,75	2,50	3,56	
0,80	1,35	1,76	2,72	3,60	
1,00	1,36	1,78	2,76	4,00	



Ropes, Braided Tapes

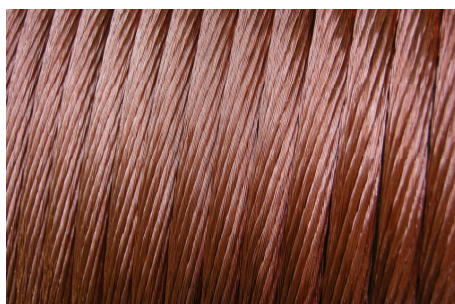
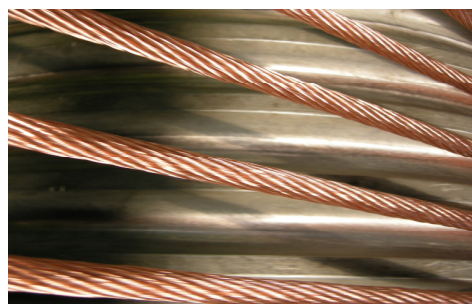
Copper rope Class 2

Material: annealed copper wires according to PN-83/E-90150

Apply: applied in cables production

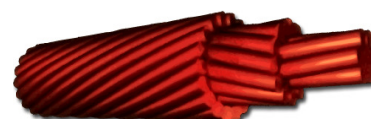
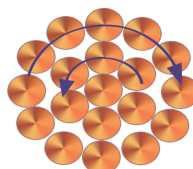
Symbols: copper rope class 2, 4mm² – copper rope (Cu) round class 2, rated intersection 4mm²

Construction: layers twisted multiwire ropes, all wires in this same rated diameters.



Rope intersection	The least acceptable wires number in rope	Construction
0,5	7	(1+6)x0,30
0,75	7	(1+6)x0,37
1	7	(1+6)x0,43
1,5	7	(1+6)x0,52
2,5	7	(1+6)x0,67
4	7	(1+6)x0,86
6	7	(1+6)x1,04
10	7	(1+6)x1,35
16	7	(1+6)x1,70
25	7	(1+6)x2,11
35	7	(1+6)x2,50
50	19	(1+6+12)x1,78
70	19	(1+6+12)x2,14
95	19	(1+6+12)x2,50
120	19	(1+6+12)x2,80

After agree between customer and producer it is possible to make different construction.



from 0,50mm² to 35mm²

from 50mm² to 120mm²

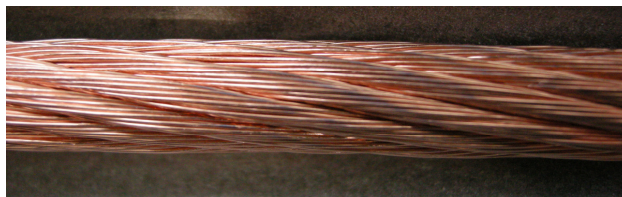
Copper rope (Class 5)

Material: Annealed copper wires according to PN-83/E90150

Apply: applied In cables production

Symbols: copper ropes class 5, 35mm^2 – copper rope (Cu) round class 5 rated intersection 35mm^2

Construction: layers twisted multiwire ropes (made with wires or smaller ropes). Smaller ropes with rated intersection no more than 4mm^2 can be twisted in irregular rope.



Rope intersection	largest acceptable wires diameter	Number of wires x wire diameter
0,35	0,21	12 x0,20
0,5	0,21	15 x0,20
0,75	0,21	23 x0,20
1	0,21	30 x0,20
1,5	0,26	28 x0,25
2,5	0,26	46 x0,25
4	0,31	53 x0,30
6	0,31	85 x0,30
10	0,41	(11+66) x0,40
16	0,41	(24+96) x0,40
25	0,41	(20+168) x0,40
35	0,41	(14+84+168) x0,40
50	0,41	(24+120+240) x0,40
70	0,51	(32+108+216) x0,50
95	0,51	(34+150+300) x0,50
120	0,51	(35+192+384) x0,50

After agree between customer and producer it is possible to make different construction.

Copper rope (Class 5c)

Material: Tinned annealed copper wires.

Apply: applied In cables production

Symbols: copper ropes class 5c, 35mm^2 – copper rope (Cu) round class 5 tinned wires (c) rated intersection 25mm^2

Construction: layers twisted multiwire ropes (made with wires or smaller ropes). Smaller ropes with rated intersection no more than 4mm^2 can be twisted in irregular rope.



Rope intersection	largest acceptable wires diameter	Number of wires x wire diameter
0,35	0,21	12 x0,20
0,5	0,21	15 x0,20
0,75	0,21	23 x0,20
1	0,21	30 x0,20
1,5	0,26	28 x0,25
2,5	0,26	46 x0,25
4	0,31	53 x0,30
6	0,31	85 x0,30
10	0,41	(11+66) x0,40
16	0,41	(24+96) x0,40
25	0,41	(20+168) x0,40
35	0,41	(14+84+168) x0,40
50	0,41	(24+120+240) x0,40
70	0,51	(32+108+216) x0,50
95	0,51	(34+150+300) x0,50
120	0,51	(35+192+384) x0,50

After agree between customer and producer it is possible to make different construction.

Copper braidet Tapes

TP, TPc

Material: annealed copper wires according to PN-83/E90150, nude or tinned In quality not worse than LC 30 according to PN-76/M-69400

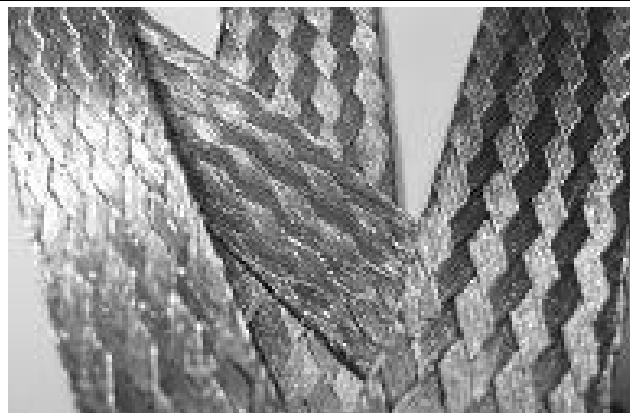
Apply: braidet tapes are destined to movable connections In electric devices witch work In direct or variable current.

Symbols:

TP - tape(T)braidet(P)made with copper wires

TPc - tape(T)braidet(P)made with tinned copper wires(c)

Construction: braid with wires looks like a plat pipe in rectangle form.



Tape intersection (mm ²)	Wires diameter (mm)
16	0,13
17	0,2
25	0,2
25	0,13
30	0,09
30	0,13
35	0,13
35	0,25
40	0,13
40,6	0,2
50	0,13
56	0,13
89,5	0,13

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