



Електролуks Electrolux

Kabli za napojuvanje

Power cables



Made in Electrolux

Ovo je crtež e sopstvenost na Electrolux-Bitola.Bez negovo pismeno odobruvanje istiot nesmee da se prepisuva , umnozava niti kopira bez soglasnost od **Електролуks** vo sprotno se snosat posledici vo smislana clenovite 163 i 164 od kriviciot zakon R.M. (povreda na avtorsko pravo)

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FG7R flexible power cables, single core 0,6 / 1 kV



APPLICATIONS	
They are used as power cables in outdoor and indoor installations . They are suitable for in -wall , cable trays and underground installation .	
CABLE STRUCTURE	TECHNICAL DATA
<p>Cores: stranded of flexible copper wires according to DIN VDE 0295 .</p> <p>Insulation: of ethylopropylene rupper , type G7.</p> <p>Outer sheath : thermoplastic PVC type Rz.</p> <p>Flame retardant according to CEI 20-22/ 1-5, grey colour.</p>	<p>Nominal voltage : U_0/U 0,6 / 1 kV</p> <p>Maximum temperature : 90°C</p> <p>Minimum bending radius : 4 x cable Ø</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORE x CROSS-SEC. IN mm ²	APPROXIMATELY			
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/ Km	CABLE WEIGHT Kg/ Km	SHEATH RESISTANCE TO 20°C (Ω/ Km)
1x1.5	7.00	14.40	51.00	13.30
1x2.5	7.40	24.00	65.00	7.98
1x4	8.20	38.00	80.00	4.95
1x6	8.90	58.00	105.00	3.30
1x10	9.80	96.00	150.00	1.91
1x16	10.90	154.00	200.00	1.21
1x25	13.00	240.00	300.00	0.780
1x35	14.00	336.00	390.00	0.554
1x50	15.70	480.00	540.00	0.386
1x70	18.00	672.00	740.00	0.272
1x95	20.40	912.00	940.00	0.206
1x120	22.30	1152.00	1200.00	0.161
1x150	24.50	1440.00	1480.00	0.129
1x185	27.40	1776.00	1830.00	0.106
1x240	30.50	2304.00	2340.00	0.0801
1x300	34.00	2900.00	2950.00	0.0641
1x400	37.70	3870.00	3835.00	0.0486



FG7OR flexible power cables multi core 0,6 / 1 kV



APPLICATIONS

They are used as power cables in outdoor and indoor installations. They are suitable for in-wall, cable trays and underground installations.

CABLE STRUCTURE

Cores : stranded of flexible copper wires according to DIN VDE 0295.
Insulation : of ethylopropylene rubber type G7 .
Inner sheath : of waterproof, flame retardant material.
Colour code : coloured cores
 2 cores : blue-black
 3 cores : blue-black-green/yellow
 4 cores : blue-black-brown-green/yellow
 5 cores : blue-black-brown-green/yellow-black
 ≥6 cores : black with white numberibg .
 (The cables with 3 & 4 cores are available also without green-yellow .)
Outer sheath : of thermoplastic PVC type Rz .
 Flame retardant according to CEI 20-22/ 1-5, grey colour.

TECHNICAL DATA

Nominal volatge : U_0/U 0,6 / 1 kV
Maximum temperature : 90°C
Minimum bending radius: 4 x cable Ø

CE= The above mentioned cables are confirmed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY			
	OUTER DIAMETRES Ø mm	COPPER WEIGHT Kg/ Km	CABLE WEIGHT Kg/ Km	SHEATH RESISTANCE 20°C (Ω/ Km)
2x1.5	12	29	150	13.3
2x2.5	13	48	190	7.98
2x4	14.2	77	240	4.95
2x6	15.4	169	310	3.3
2x10	18.2	280	440	1.91
2x16	20.4	458	600	1.21
2x25	24.5	716	850	0.780
2x35	26.6	1000	1130	0.554
2x50	30	1437	1580	0.386
3x1.5	12.5	43	170	13.3
3x2.5	13.6	72	220	7.98
3x4	14.9	115	280	4.95
3x6	16.2	173	370	3.3

FG7OR flexible power cable multi core 0,6 / 1 kV

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY			
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/ Km	CABLE WEIGHT Kg/ Km	SHEATH RESISTANCE TO 20°C (Ω/ Km)
3x10	19.3	288	530	1.91
3x16	21.6	461	740	1.21
3x25	26	720	1060	0.780
3x35	28.3	1008	1420	0.554
3x50	31.9	1440	1960	0.386
3x70	37.4	2016	2700	0.272
3x95	42.2	2736	3430	0.206
3x120	46.7	4586	4390	0.161
3x150	51.1	5730	5400	0.129
4x1.5	13.4	58	200	13.3
4x2.5	14.5	96	260	7.98
4x4	16.1	154	330	4.95
4x6	17.5	230	430	3.3
4x10	21	384	640	1.91
4x16	23.5	614	900	1.21
4x25	28.6	960	1300	0.780
3x35+25	30.5	1344	1650	0.554
3x50+25	33.7	1920	2200	0.386
3x70+35	38.8	2688	3000	0.272
3x95+50	43.9	3648	3900	0.206
3x120+70	49.3	4608	4700	0.161
3x150+95	54.4	5760	6300	0.129
5x1.5	14.4	72	230	13.3
5x2.5	15.6	120	310	7.98
5x4	17.3	192	400	4.95
5x6	18.8	288	520	3.3
5x10	22.8	480	780	1.91
5x16	25.7	768	1120	1.21
5x25	31.2	1200	1680	0.780
5x35	34.3	1680	2150	0.554
5x50	39.1	2400	3000	0.386
7x1.5	16.6	101	325	13.7
12x1.5	19.2	173	460	13.8
19x1.5	22.1	279	635	13.8
7x2.5	18.1	168	355	8.21
12x2.5	21.2	288	500	8.29



Ovaj crtez e sopshtenost na Elektroluks d.o.o. Bez negovno pisarno odobruvanje istoi nesmee da se prepisiva, umnozava nihi kopira bez soglasnost od **Elektroluks** vo sprotno se snoset posledici vo smislana clenova 163 i 164 od kivilniot zakon R.M. (povreda na avtorsko pravo)

N2XCH control and power cables, 0.6/1 KV, halogen free, with concentric conductor, flame retardant according to IEC 60332-3 cat C and A .



APPLICATIONS	
They are used in installations where special safety specifications are required , for the protection of human life in case of fire, as in hospitals ,underground stations , public services etc.They are ideal for fixed installation in damp enviroments and beneath plaster as well as in masonry walls and in concrete.	
CABLE STRUCTURE	TECHNICAL DATA
<p>Cores : solid or stranded of bare copper according to DIN VDE 0295 cl.1 and 2.</p> <p>Core insulation : of cross-linked polyethylene 2X11 according to DIN VDE 0276-604 .</p> <p>Colour code : according to DIN VDE 0293</p> <p>Wrapping : of halogen free compound</p> <p>Screen : of concentric conductor of plain copper wires wrapped with copper tape.</p> <p>Outer sheath : of thermoplastic polyolefin compound HM4 according to DIN VDE 0276-204 , in black colour.</p>	<p>Specifications : according to DIN VDE 0276 part 604 CENELEC HD604 S1.</p> <p>Temperature range: Flexing : from -5°C to +50°C. Fixed installation: from -30°C to +90°C.</p> <p>Nominal voltage : Uo/U 0.6/ 1KV .</p> <p>Minimum bending radius : Single core : 15 x cable Ø . Multicore : 12 x cable Ø .</p> <p>re = round conductor, single wire. rm = round conductor, multi core.</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORESx CROSS-SEC IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE COPPER Kg/Km	CABLE WEIGHT Kg/Km
2x1.5/1.5re	11.0	52.0	162
2x2.5/2.5re	12.0	80.0	206
2x4/4re	13.0	122.0	300
2x6/6re	14.0	183.0	398
2x10/10re	17.0	311.0	557
2x16/16re	18.9	490.0	778
3x1.5/1.5re	11.0	66.0	179
3x2.5/2.5re	12.0	104.0	233
3x4/4re	14.0	161.0	318
3x6/6re	15.0	240.0	412
3x10/10re	17.0	408.0	611
3x16/16re	21.0	643.0	963

CORESx CROSS-SEC IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x2.5/16rm	25.0	1003.0	1325
3x35/16rm	27.0	1402.0	1676
3x50/25rm	30.0	1723.0	2220
3x70/35rm	33.6	2794.0	3051
3x95/50rm	36.2	3790.0	4186
3x120/70rm	40.1	4785.0	5150
3x150/70rm	42.5	5100.0	5602
3x185/95rm	45.7	6381.0	7100
3x240/120rm	52.8	8240.0	9202
4x1.5/1.5re	12.0	81.0	205
4x2.5/2.5re	13.0	128.0	267
4x4/4re	15.0	200.0	377



N2XCH control and power cables, 0.6/1 KV, halogen free, with cocnentric conductor, flame retardant according to IEC 60332-3 cat C and A .

CORES x CROSS-SEC IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
4x6/6re	16.0	297.0	497
4x10/10re	18.0	504.0	729
4x16/16re	23.0	796.0	1149
4x25/16mm	27.0	1142.0	1616
4x120/70rm	48.0	5388	5180
4x150/70rm	53.0	6540	6501
4x185/95rm	60.0	8159	7967
4x240/120rm	67.0	10546	12990
4x35/16mm	30	1526.0	2059
4x50/25rm	33.0	2203.0	2751
4x70/35rm	39.0	3082.0	3915
4x95/50rm	44.0	4208.0	5180
7x1.5/2.5re	14.0	133.0	284
7x2.5/2.5re	15.0	200.0	377
7x4/4 re	17.0	315.0	597
7x6/6 re	18.0	470.0	712

CORES x DIAMETRE IN mm ²	APPROXIMATELY		
	OUTER DIAMETRE Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
10x1.5/2.5re	16.9	172.0	415
10x2.5/4re	18.5	282.0	552
12x1.5/2.5re	17.0	205.0	429
12x2.5/4re	19.0	334.0	600
12x4/6re	22.0	522.0	900.0
16x1.5/4re	20.0	270.0	684.0
16x2.5/6re	21.1	445.0	799.0
21x1.5/6re	22.0	362.0	761.0
21x2.5/6re	24.9	567.0	998.0
24x1.5/6re	23.0	413.0	787.0
24x2.5/10re	26.0	498.0	925.0
30x1.5/6re	25.0	499.0	920.0
30x2.5/10re	28.0	840.0	1317

For cross-sections that are not mentioned in the above board , please contact our company .



For cable accesories there is a special catalogue



N2XH control and power cables , 0.6/1 KV, halogen free, flame retardant , according to IEC 60332-3 CAT. C and A.



APPLICATIONS

They are used in indoor installations, where special safety specifications are required for the protection of human life in case of fire, as hospitals, underground stations , public services etc. These cables are suitable for outdoor applications and underground by installing them in conduits or tubes.

CABLE WEIGHT

Cores : solid or stranded of bare copper according to DIN VDE 0295 cl.1 or cl2 .
Core insulation : of cross-linked polyethylene halogen free 2XII according to DIN VDE 0276-604.
Colour code : colour code according to DIN VDE 0293. From 3 cores and up contains green-yellow earth core .Cores are stranded in layers .
Wrapping : of halogen free compound .
Outer sheath : of thermoplastic polyolefin compound HM4 according to DIN VDE 0276-604, halogen free and flame retardant according to IEC 60332-3 , colour black.

TECHNICAL DATA

Specifications : according to DIN VDE 0276 -604.
Temperature range
 Flexing : from -5°C to $+50^{\circ}\text{C}$.
 Fixed installation : from -30°C to $+90^{\circ}\text{C}$.
Nominal voltage : U_o/U 0.6/ 1KV .
Minimum bending radius :
 Single core : 15 x cable \varnothing .
 Multicore : 12 x cable \varnothing .
 re = round conductor, single wire .
 rm = round conductor, multi core .

CE = The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS SEC IN mm ²	APPROXIMATELY		
	OUTER DIAMETER \varnothing mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x4 re	6.0	38.0	75
1x6 re	7.0	58.0	97
1x10 re	8.0	96.0	140
1x16 re	9.0	154.0	202
1x25 rm	11.0	240.0	302
1x35 rm	12.0	336.0	397
1x50 rm	13.0	480.0	523
1x70 rm	15.0	672.0	746
1x95 rm	17.0	912.0	987
1x120 rm	18.0	1152.0	1214
1x150 rm	21.0	1440.0	1536

CORES x CROSS SEC IN mm	APPROXIMATELY		
	OUTER DIAMETER \varnothing mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x185 rm	23.0	1776.0	1888
1x240 rm	26.0	2304.0	2474
1x300 rm	28.0	2880.0	2946
2x1.5 re	11.5	29.0	187
2x2.5 re	11.7	48.0	218
2x4 re	13.0	77.0	270
2x6 re	13.9	115.0	341
2x10 re	16.2	192.0	445
2x16 re	17.8	307.0	617
2x25 re	21.0	480.0	935



N2XH control and power cables, 0.6/1 KV, halogen free, flame retardant according to IEC 60332-3 CAT. C and A.

CORES x CROSS-SEC IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3G1.5 re	13.0	43.0	220
3G2.5 re	14.0	72.0	280
3G4 re	15.0	115.0	350
3G6 re	16.0	173.0	420
3G10 re	18.0	288.0	600
3G16 re	20.0	461.0	770
3G25 rm	21.8	720.0	1120
3G35 rm	24.9	1008.0	1550
3G50/25 rm	28.5	1680.0	2100
3G50 rm	25.2	1440.0	1750
3G70 rm	29.2	2016.0	2450
3G70/35 rm	31.4	2352.0	2800
3G95 rm	32.0	2736.0	3250
3G95/50 rm	34.9	3216.0	3750
3G120 rm	34.9	3456.0	4000
3G120/70 rm	38.0	4128.0	4750
3G150 rm	39.2	4320.0	5000
3G150/70 rm	43.3	4992.0	5750
3G185 rm	44.1	5328.0	6150
3G185/95 rm	47.2	6240.0	7200
3G240/120rm	53.4	8064.0	9300
3G240 rm	49.2	6912.0	8000
4G1.5 re	12.0	58.0	186
4G2.5 re	13.0	96.0	245
4G4 re	14.0	154.0	328
4G6 re	15.0	230.0	425
4G10 re	17.0	384.0	625
4G16 re	20.0	614.0	921
4G25 rm	24.0	960.0	1403
4G35 rm	27.0	1344.0	1860
4G50 rm	31.0	1920.0	2470
4G70 rm	36.0	2668.0	3510
4G95 rm	41.0	3648.0	4695
4G120 rm	43.0	4608.0	5380
4G150 rm	47.0	5760.0	6590

CORES x CROSS-SEC IN mm	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER CABLE Kg/Km	CABLE WEIGHT Kg/Km
4G185 rm	52.0	7104.0	8160
4G240 rm	58.0	9216.0	10540
5G1.5 re	13.0	72.0	280
5G2.5 re	14.0	120.0	350
5G4 re	15.0	192.0	450
5G6 re	16.0	288.0	600
5G10 re	19.0	480.0	850
5G16 rm	23.0	768.0	1200
5G25 rm	27.0	1200.0	1702
7G1.5 re	14.0	101.0	260
7G2.5 re	16.0	168.0	358
7G4 re	17.2	269.0	530
10G1.5 re	17.0	144.0	268
10G2.5 re	19.0	240.0	484
12G1.5 re	17.0	173.0	410
12G2.5 re	19.0	288.0	542
12G4 re	21.2	461.0	786
14G1.5 re	18.0	202.0	448
14G2.5 re	22.0	336.0	630
19G1.5 re	19.0	274.0	558
19G2.5 re	24.0	456.0	800
24G1.5 re	23.0	346.0	743
24G2.5 re	27.0	576.0	990
30G1.5 re	24.0	432.0	853
30G2.5 re	28.0	720.0	1180
33G2.5 re	29.0	792.0	1302

For cross-sections that are not mentioned in the above board , please contact our company .

Ovaj crtez e sposobnost na Elektroluks.Bez. neovno pismeno odobruvanje istih nesree da se precisno urmozava njih kopira bez soglasnost od **Elektroluks** vo spratno se snoset posledici vo smislana clerovitel 163 i 164 od kivilniot zakon R.M. (povreda na avtorsko pravo)

NHXMH smoke and halogen free cables , flame retardant according to IEC 60332-3 CAT. C.



APPLICATIONS	
They are used in indoor installations, where special safety specifications are required for the protection of human life in case of fire, as hospitals, underground stations, public services etc.They are not recommended for direct embedding.	
CABLE STRUCTURE	ΤΕΧΝΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ
<p>Cores : solid or stranded of bare copper according to DIN VDE 0295 cl.1 or cl.2 and IEC 60228 cl.1 or cl.2.</p> <p>Core insulation : of cross-linked polymer compound 2xI1 according to DIN VDE 0276-604.</p> <p>Colour code: up to 5 cores colour coded according to DIN VDE 0293 , from 7 cores and up black cores with white numbering.The single core cables are in black colour.</p> <p>Wrapping : of halogen free sheath (not for single core cables).</p> <p>Outer sheath : of polymer compound HM2 , halogen free according to DIN VDE 0250-214 and flame retardant according to DIN VDE 0482-265 , in grey colour .</p>	<p>Specifications : DIN VDE 0250 part 214.</p> <p>Temperature :</p> <p>Flexing : from -5°C to +50°C.</p> <p>Fixed installation : from -30°C to +70°C.</p> <p>Nominal voltage : U₀/U 300/500 V .</p> <p>Minimum bending radius :</p> <p>Single core : 15 x cable Ø .</p> <p>Multi core : 12 x cable Ø .</p> <p>re = round conductor , single wire .</p> <p>rm = round conductor ,multi core .</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x1.5 re	8.0	15.0	49
1x2.5 re	8.5	24.0	60
1x4 re	9.0	39.0	80
1x6 re	10.4	58.0	111
1x10 re	11.9	96.0	160
1x16 rm	12.6	154.0	232
2x1.5 re	9.3	29.0	120
2x2.5 re	10.4	48.0	154
2x4 re	11.5	77.0	202

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x1.5 re	9.7	43.0	130
3x2.5 re	10.8	72.0	167
3x4 re	12.0	115.0	235
3x6 re	13.8	173.0	325
3x10 re	16.6	288.0	482
3x16 rm	20.0	461.0	846
3x25 rm	25.0	720.0	1140
3x35 rm	27.5	1008.0	1500
4x1.5 re	10.6	58.0	150
4x2.5 re	11.7	96.0	201



Elektroluks is registered trademark of Elektroluks companies in Macedonia and other countries



NHXMH smoke and halogen free cables, flame retardant according to IEC 60332-3 CAT. C.

CORESx CROSS-SEC. IN mm ²		APPROXIMATELY		
		OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
4x4	re	13.8	154.0	300
4x6	re	15.2	230.0	396
4x10	re	17.9	384.0	598
4x16	re	22.1	615.0	938
4x25	rm	27.5	960.0	1425
4x35	rm	30.4	1344.0	1920
5x1.5	re	11.2	72.0	176
5x2.5	re	12.1	120.0	235
5x4	re	15.3	192.0	351
5x6	re	16.3	288.0	481
5x10	re	19.4	480.0	715

CORESx CROSS-SEC. IN mm ²		APPROXIMATELY		
		OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
5x16	rm	24.5	768.0	1143
5x25	rm	29.6	1200.0	1790
5x35	rm	33.1	1680.0	2468
7x1.5	re	11.9	101.0	212
7x2.5	re	14.0	168.0	300
10x1.5	re	14.0	144.0	325
12x1.5	re	15.0	173.0	361
24x1.5	re	19.0	346.0	627

For cross-sections that are not mentioned in the above board , please contact our company .



For cable accessories there is a special catalogue.

NYCY & NYCWY power and control cables 0.6/1 KV with concentric conductor and VDE approval .



APPLICATIONS

They are used as power and control cables in outdoor and indoor fixed installations .

CABLE STRUCTURE

Cores : solid or stranded copper wires according to DIN VDE 0295 cl.1 or cl.2 .
Core insulation : of PVC.
Colour code : up to 4 cores colour coded according to DIN VDE 0293. For cables with 5 cores and up ,black cores with white numbering .
Wrapping : massive filling .
Screen: concentric conductor of copper wires, outer wrapped with copper tape.
Outer sheath : of PVC ,in black colour, flame retardant and self extinguishing according to DIN VDE 0482 and IEC 60332-1.

TECHNICAL DATA

Specifications : DIN VDE 0276 part 603.
Temperature range :
 Flexing : from -5°C to +50°C.
 Fixed installation :from -30°C to +70°C.
Nominal voltage : U₀/U 0.6/ 1 KV .
Minimum bending radius :
 For single core : 15 x cable Ø .
 For multi core : 12 x cables Ø .
 re = round solid core.
 rm = round multi core.
 sm = stranded sectional core.

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x10 re/10	11.3	216.0	275
1x16 re/16	12.4	336.0	438
2x1.5 re/1.5	13.5	52.0	210
2x2.5 re/2.5	14.1	80.0	285
2x4 re/4	15.9	123.0	368
2x6 re/6	17.5	182.0	449
2x10 re/10	19.5	312.0	605
2x16 re/16	21.0	489.0	825
2x2 rm/25	24.0	759.0	1198
3x1.5 re/1.5	13.9	66.0	240
3x2.5 re/2.5	15.0	104.0	298

CORES x WEIGHT IN mm ²	APPROXIMATELY		
	OUTER DIAMETRE Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x4 re/4	16.8	161.0	415
3x6 re/6	17.8	240.0	520
3x10 re/10	20.5	408.0	863
3x16 re/16	23.4	643.0	1057
3x25 rm/16	26.0	895.0	1539
3x25 rm/25	26.0	998.0	1587
3x35 sm/25	27.5	1395.0	1845
3x35 sm/16	27.0	1178.0	1739
3x50 sm/50	29.0	2005.0	2448
3x50 sm/25	28.9	1718.0	2243
3x70 sm/70	33.9	2785.0	3345
3x70 sm/35	32.8	2399.0	2944
3x95 sm/95	38.2	3788.0	4553



NYCY & NYCWY power and control cables 0.6/1 KV with concentric conductor and VDE approval.

CORES x CROSS-SEC IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x95 sm/50	37.9	3292.0	4108
3x120 sm/70	40.0	4215.0	5040
3x120 sm/120	40.9	4781.0	5545
3x150 sm/70	44.5	5097.0	5997
3x150 sm/150	46.2	5963.0	6878
3x185 sm/95	49.8	6375.0	7539
3x185 sm/185	50.7	7359.0	8478
3x240 sm/120	56.8	8240.0	9947
4x1.5 re/1.5	15.2	81.0	275
4x2.5 re/2.5	16.4	128.0	368
4x4 re/4	17.9	200.0	496
4x6 re/6	19.2	297.0	615
4x10 re/10	21.7	504.0	881
4x16 re/16	23.9	796.0	1215
4x25 sm/16	27.5	1140.0	1750
4x35 sm/16	28.6	1532.0	2020
4x50 sm/25	32.8	2198.0	2689
4x70 sm/35	37.1	3069.0	3741
4x95 sm/50	43.7	4198.0	4986
4x120 sm/70	46.8	5381.0	6342
4x150 sm/70	50.9	6535.0	7638
4x185 sm/95	55.8	8140.0	9315
4x240 sm/120	62.3	10532.0	11582
5x1.5 re/1.5	15.8	95.0	322
5x2.5 re/2.5	16.5	152.0	402
5x4 re/4	19.6	238.0	545
5x6 re/6	21.0	355.0	685
5x10 re/10	23.1	600.0	958
7x1.5 re/1.5	15.9	124.0	335
7x1.5 re/2.5	16.8	133.0	365
7x2.5 re/2.5	18.2	200.0	478
7x4 re/4	20.8	315.0	685
7x6 re/6	24.0	470.0	780

CORES x CROSS-SEC IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
8x1.5 re/1.5	17.1	138.0	385
8x1.5 re/2.5	17.4	147.0	403
8x2.5 re/2.5	19.0	224.0	528
19x1.5 re/4	23.5	320.0	695
19x2.5 re/6	23.8	523.0	942
21x1.5 re/6	24.3	369.0	817
21x2.5 re/10	26.2	571.0	1090
24x1.5 re/6	25.9	413.0	855
24x2.5 re/10	28.6	696.0	1292
30x1.5 re/6	27.2	499.0	1210
30x2.5 re/10	29.8	840.0	1598
40x1.5 re/10	30.3	696.0	1580
40x2.5 re/10	35.4	1080.0	2110
52x1.5 re/10	33.4	869.0	1805
52x2.5 re/10	37.5	1368.0	2450
61x1.5 re/10	33.4	998.0	1992
61x2.5 re/10	40.2	1584.0	2805
10x1.5 re/2.5	19.6	176.0	463
10x2.5 re/4	21.4	286.0	620
12x1.5 re/2.5	20.9	205.0	535
12x2.5 re/4	22.0	334.0	705
14x1.5 re/2.5	21.2	234.0	580
14x2.5 re/4	23.0	382.0	725
14x2.5 re/6	23.4	403.0	820
16x1.5 re/4	22.5	276.0	610
16x2.5 re/6	23.3	451.0	918

For cross-sections that are not mentioned in the above board, please contact our company

NYY-J & NYO power and control cable 0.6 /1 KV with VDE approval.



APPLICATIONS

They are used as power and control cables in outdoor and indoor installations .

CABLE STRUCTURE

Cores : solid or stranded of copper wires according to DIN VDE 0295 cl.1 or cl.2 .
Core insulation : of PVC .
Colour code : up to 5 cores colour code according to DIN VDE 0293. For cables with 7 cores and up , black cores with white numbering .
 Yellow green earth core -J in the outer layer .
Wrapping : massive filling of thermoplastic .
Outer sheath : of PVC according to HD 603.1, black colour, self extinguishing and flame retardant according to DIN VDE 0482 and IEC 60332-1.

NYY-J: with earthcore.
 NYO: without earth core.

TECHNICAL DATA

Specifications : DIN VDE 0276 part 603.
Temperature range :
 Flexing : from -5°C to +50°C.
 Fixed installation : from -30°C to +70°C.
Nominal voltage : U_o/U 0.6/ 1 KV .
Minimum bending radius :
 For single core : 15 x cable Ø
 For multi core : 12 x cable Ø .

re = round conductor, single-wire .
 rm = round conductor, multiple-wire.
 se = solid , sectional core.
 sm = stranded, sectional core.

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	COPPER WEIGHT Kg/Km
1x4 re	8.5	38.0	113
1x6 re	9.1	58.0	138
1x10 re	10.0	96.0	184
1x16 re	10.8	154.0	243
1x25 re	12.2	240.0	355
1x35 re	13.5	336.0	467
1x50 re	14.5	480.0	623
1x70 re	16.8	672.0	813
1x95 re	18.7	912.0	1098
1x120 re	20.7	1152.0	1352
1x150 re	22.1	1440.0	1675
1x185 re	25.0	1776.0	2024
1x240 re	28.2	2304.0	2615

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x300 re	30.0	2880.0	3190
1x400 re	34.0	3840.0	4120
1x500 re	38.5	4800.0	5150
1x630 re	43.0	6048.0	6595
2x1.5 re	11.3	29.0	175
2x2.5 re	12.3	48.0	210
2x4 re	14.2	77.0	297
2x6 re	15.4	115.0	350
2x10 re	16.9	192.0	490
2x16 re	18.0	307.0	668
2x25 re	23.1	480.0	962



NYY-J & NYY-O power and control cables 0.6 /1 KV with approval VDE.

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x1.5 re	11.7	43.0	193
3x2.5 re	12.6	72.0	252
3x4 re	13.8	115.0	336
3x6 re	15.4	173.0	432
3x10 re	17.2	288.0	585
3x16 re	18.8	461.0	816
3x25 sm	24.2	720.0	1315
3x35 sm	25.0	1008.0	1420
3x50 sm	26.1	1440.0	1810
3x70 sm	30.2	2016.0	2445
3x95 sm	33.9	2736.0	3298
3x120 sm	37.1	3456.0	4102
3x150 sm	39.7	4320.0	4898
3x185 sm	44.1	5328.0	6525
3x240 sm	51.2	6912.0	8258
3x25+16 rm	25.0	874.0	1526
3x35+16 sm	25.8	1162.0	1748
3x50+25 sm	28.7	1680.0	2345
3x70+35 sm	33.6	2352.0	2843
3x95+50 sm	37.6	3216.0	3825
3x120+70 sm	41.5	4128.0	4775
3x150+70 sm	46.5	4992.0	5798
3x185+95 sm	51.1	6240.0	7598
3x240/120 sm	58.2	8064.0	9797
3x300/150 sm	65.0	10080.0	11489
4x1.5 re	12.2	58.0	228
4x2.5 re	13.7	96.0	297
4x4 re	15.3	154.0	405
4x6 re	16.8	230.0	518
4x10 re	18.7	384.0	725
4x16 re	21.8	614.0	1029
4x25 rm	26.4	960.0	1620
4x35 sm	27.8	1344.0	1730
4x50 sm	30.4	1920.0	2325
4x70 sm	34.2	2688.0	3089
4x95 sm	39.3	3648.0	4226
4x120 sm	42.3	4608.0	5298
4x150 sm	46.9	5760.0	6386
4x185 sm	51.8	7104.0	8492

CORESx CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
4x240 sm	57.8	9216.0	10998
5x10 re	19.9	480.0	867
5x1.5 re	13.2	72.0	268
5x2.5 re	14.7	120.0	357
5x4 re	16.8	192.0	487
5x6 re	18.3	288.0	597
5x10 re	19.9	480.0	867
5x16 re	22.3	768.0	1238
5x25 rm	27.9	1200.0	1950
5x35 sm	33.9	1680.0	2396
5x50 sm	39.7	2400.0	3497
7x1.5 re	15.6	101.0	305
7x2.5 re	16.7	168.0	436
7x4 re	18.8	269.0	629
7x6 re	19.8	403.0	843
7x10 re	22.7	672.0	1195
10x1.5 re	18.1	144.0	376
12x1.5 re	18.9	173.0	415
14x1.5 re	20.1	202.0	449
16x1.5 re	21.2	230.0	508
19x1.5 re	21.9	274.0	560
21x1.5 re	22.9	302.0	630
24x1.5 re	24.8	346.0	745
30x1.5 re	25.7	432.0	855
40x1.5 re	28.7	576.0	1063
61x1.5 re	33.9	878.0	2147
10x2.5 re	19.7	240.0	513
12x2.5 re	20.7	288.0	601
14x2.5 re	21.2	336.0	675
16x2.5 re	21.9	384.0	739
19x2.5 re	22.7	456.0	828
21x2.5 re	24.2	504.0	975
24x2.5 re	26.9	576.0	1090
30x2.5 re	27.7	432.0	1275
40x2.5 re	31.0	960.0	1697
52x2.5 re	35.1	1248.0	1230

For cross-sections , that are not mentioned in the above board, please contact our company .



XLPE/LSF/AWA/LSF single core power cable 0.6/ 1 kV aluminium wire screened BS 6724



APPLICATIONS

They are used as power cables both in outdoor and indoor fixed installations. They are resistant to tensile strength and can be buried directly in to the ground. In case of fire they appear a low level of smoke emission and zero halogen.

CABLE STRUCTURE

Core: plain annealed flexible copper conductors
Core Insulation: XLPE, colour brown
Inner Insulation: LSF(low smoke, halogen free), colour black
Armour: of aluminium wires
Outer Sheath: of LSF(low smoke, halogen free), colour black.

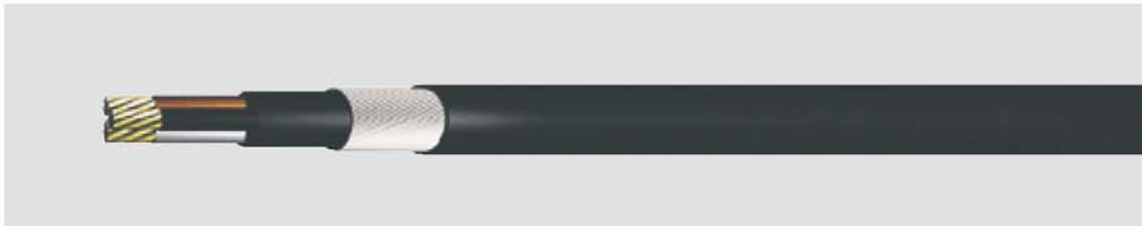
TECHNICAL DATA

Nominal Voltage: U_0/U 0.6/ 1 kV
Temperature Range: from -25°C up to +90°C
Bending Radius: 6 x Ø cable
 Should not be installed at temperatures below 0°C

CE= The above cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

No.CORES x CROSS-SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
1x50	17.7	800	20
1x70	19.6	940	25
1x95	21.5	1220	25
1x120	23.2	1490	25
1x150	26.3	1870	32
1x185	28.7	2290	32
1x240	31.4	2880	40
1x300	34.1	3520	40
1x400	38.9	4520	50S
1x500	42.8	5680	50S
1x630	47.3	7120	50
1x800	53.9	9220	63S
1x1000	58.8	11270	63S

XLPE/LSF/SWA/LSF power cable 0.6/ 1 kV galvanized steel wire armour BS 6724



APPLICATIONS

They are used as power and control cables both in outdoor and indoor fixed installation. They can be buried directly in to the ground. They are resistant to tensile strength and they also have anti-rodent protection. In case of fire they appear a low level of smoke emission and zero halogen.

CABLE STRUCTURE

Core: plain annealed flexible copper conductors
Core Insulation: XLPE
Core code: coloured cores
 2 cores brown, blue
 3 cores brown, black, grey
 4 cores brown, black, grey, blue
 ≥5 cores up to 6mm² white with black numbers
 5 cores up to 400mm² brown, black, grey, blue, yellow/green
 2-4 cores up to 2.5mm² they are also disposed in white with black numbers
Inner Insulation: LSF (low smoke, halogen free), colour black
Armour: galvanized steel wires
Outer Sheath: LSF (low smoke, halogen free), colour black

TECHNICAL DATA

Nominal Voltage: U_o/ U 0.6/ 1 kV
Temperature Range: from -25°C up to +90°C
Bending Radius: 6 x Ø cable
 ≥ 2x25 and above 8 x Ø cable
 Should not be installed at temperatures below 0°C

CE= The above cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

No. CORES) CROSS-SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
2x1.5	12.5	310	20/16
3x1.5	13	340	20S
4x1.5	14	390	20S
5x1.5	14.2	426	20
7x1.5	15.9	490	20
12x1.5	20.2	830	20
19x1.5	23.2	1070	25
27x1.5	27.9	1580	32
37x1.5	30.6	1880	32
48x1.5	32.2	2236	32
2x2.5	16.6	360	20S
3x2.5	14.1	410	20S
4x2.5	15	470	20S

No. CORES) CROSS-SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/K m	GLAND SIZE mm
5x2.5	16.3	549	20
7x2.5	17.1	600	20
12x2.5	22.4	1020	25
19x2.5	26.6	1530	25
27x2.5	30.7	1960	32
37x2.5	33.8	2370	40
2x4	14.7	430	20S
3x4	15.3	500	20S
4x4	16.4	580	20
5x4	18.9	810	20
7x4	20.4	950	20
12x4	25	1400	25
27x4	35.2	2630	40



XLPE/LSF/SWA/LSF power cable 0.6/ 1 kV galvanized steel wire armour BS 6724

No. CORES CROSS SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
2x6	15.9	500	20
3x6	16.6	770	20
4x6	18.7	820	20
5x6	20.5	970	25
7x6	2.9	1180	25
2x10	18	800	20
3x10	19.5	900	25
4x10	21.1	1060	25
5x10	22	1131	25
7x10	25	1560	25
2x16	20	940	20
3x16	21.2	1180	25
4x16	22.9	1410	25
5x16	26.2	1880	25
7x16	28.1	2237	32
2x25	24.3	1250	25
3x25	26.9	1720	32
4x25	29.1	2090	32
5x25	31	2370	32
2x35	27.9	1720	32
3x35	29.6	2130	32
4x35	32.1	2590	32
5x35	35	3150	40
2x50	25.3	1800	32
3x50	28.4	2380	32
4x50	31.3	2960	32
5x50	40	4260	50S

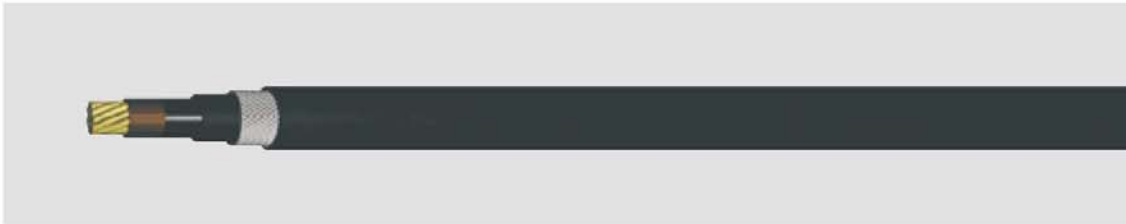
No. CORES CROSS SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
2x70	28.1	2330	40
3x70	32	3150	32
4x70	36.8	4240	40
5x70	43	5685	50S
2x95	31.9	3170	32
3x95	36.7	4320	40
4x95	40.6	5410	50S
5x95	52	7700	50
2x120	35.1	3810	40
3x120	40	5200	50S
4x120	45.8	6980	50
5x120	56.7	9030	63S
2x150	38.2	4530	40
3x150	45.1	6630	50S
4x150	49.9	8320	50
2x185	43.3	5860	50S
3x185	49.3	7980	50
4x185	54.9	10080	63S
2x240	48.3	7300	50
3x240	54.5	9960	63S
4x240	61	12690	63
2x300	52.5	8790	63S
3x300	59.5	12060	63
4x300	66.5	15420	75S
3x400	68	15330	75S
4x400	77.5	20215	75



For cable accessories there is a special catalogue



XLPE/PVC/AWA/PVC power cable 0.6/ 1 kV single core, aluminium wire screened BS 5467



APPLICATIONS

They are used as power cable both in outdoor and indoor fixed installations. They are resistant to tensile strength and can be buried directly in to the ground.

CABLE STRUCTURE

Core: plain annealed flexible copper conductors
Core Insulation: XLPE
Inner Insulation: PVC, colour black
Armour: of aluminium wires
Outer Sheath: PVC, colour black

TECHNICAL DATA

Nominal Voltage: U_0/U 0.6/ 1 kV
Temperature Range: from -15°C up to +90°C
Bending Radius: 6 x Ø cable
 Should not be installed at temperatures below 0°C

CE= The above cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

No.CORES x CROSS-SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
1x6	11.5	285	20/16
1x10	12.5	355	20/16
1x16	13.5	135	20S
1x25	15	585	20S
1x35	16	685	20
1x50	17.5	835	20
1x70	19.5	1080	20
1x95	21.6	1375	25
1x120	23.4	1685	25
1x150	26.4	2120	25
1x185	28.9	2505	32





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XLPE/PVC/SWA/PVC power cable 0.6/ 1 kV single core, galvanized steel wire armour BS 5467



APPLICATIONS

They are used as power cables both in outdoor and indoor fixed installations. They can be buried directly in to the ground. They are resistant to tensile strength and they have antirodent protection.

CABLE STRUCTURE

Core: plain annealed flexible copper conductors
Core Insulation: XLPE
Inner Insulation: PVC, colour black
Armour: galvanized steel wires
Outer Sheath: PVC, colour black

TECHNICAL DATA

Nominal Voltage: U_0/U 0.6/ 1 kV
Bending Radius: 4 x \varnothing cable
 Should not be installed at temperatures below 0°C

CE= The above cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

No.CORES x CROSS-SEC mm ²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
1x6	11.5	285	20/16
1x10	12.5	355	20/16
1x16	13.5	435	20S
1x25	15	585	20S
1x35	16	685	20
1x50	17.5	835	20
1x70	19.5	1080	20
1x95	21.6	1375	25
1x120	23.4	1685	25
1x150	26.4	2120	25
1x185	28.9	2505	32