



NYBY

Power cable 0,6/1 kV with Cu conductors, PVC insulated and sheathed

APPLICATION

Distribution and signal power cable for static application, mostly in ground, but also within and outside facilities, in cable canals, in concrete. Used in electric power plants and other electric plants, in industry, metropolitan networks and for connection of signalling devices in industry, traffic and similar. Resistant to mechanical loads, able to sustain heavier mechanical tensile strains, could be laid slantingly or vertically, same as on grounds exposed to land-sliding.

TECHNICAL CHARACTERISTICS

Test voltage: 4 kV
 Rated voltage: 0,6/1 kV
 Bending radius (min): single-core- 15D;
 multicore- 12D
 Min. laying temperature: -5°C
 Max. conductor temperature: 70°C
 Max. short-circuit temperature: 160°C

CONSTRUCTION

Conductors: Cu, class 2 according to EN 60228
 Insulation: PVC compound DIV 4
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Armour: two galvanized steel tapes
 Sheath: PVC compound DMV 5

STANDARD

HD 603 S1, IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

2-core: ● Brown ● Blue
 3-core (a): ● Green/Yellow ● Brown ● Blue
 3-core (b): ● Black ● Brown ● Grey
 4-core (a): ● Green/Yellow ● Brown ● Black ● Grey
 4-core (b): ● Blue ● Brown ● Black ● Grey
 5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Black

Other colours available on request

CERTIFICATION



International
 Electrotechnical
 Commission



NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
2x4	RM	4,610	34	47	15,4	76,8	432
2x6	RM	3,080	43	59	16,4	115,2	505
2x10	RM	1,830	59	79	18,4	192,0	657
2x16	RM	1,150	79	102	20,2	307,2	859
2x25	RM	0,727	106	133	23,2	480,0	1187
2x35	RM	0,524	129	159	25,4	672,0	1482
2x50	RM	0,387	157	188	29,0	960,0	2002
3x1,5	RE	12,1	19,5	27	14,9	43,2	357
3x2,5	RE	7,410	25	36	15,7	72,0	414
3x4	RE/RM	4,610	34	47	17,7	115,2	530
3x6	RE/RM	3,080	43	59	18,8	172,8	627
3x10	RM	1,830	59	79	19,3	288,0	793
3x16	RM	1,150	79	102	21,2	460,8	1059
3x25	RM	0,727	106	133	24,5	720,0	1490
3x35	SM	0,524	129	159	26,9	1008,0	1891
3x50	SM	0,387	157	188	31,9	1440,0	2777
3x70	SM	0,268	199	232	35,8	2016,0	3589
3x95	SM	0,193	246	280	40,5	2736,0	4647
3x120	SM	0,153	285	318	43,7	3456,0	5673
4x1,5	RE	12,1	19,5	27	15,7	57,6	394
4x2,5	RE	7,410	25	36	16,6	96,0	463
4x4	RE/RM	4,610	34	47	18,8	153,6	603
4x6	RE/RM	3,080	43	59	20,0	230,0	724
4x10	RM	1,830	59	79	20,8	384,0	939
4x16	RM	1,150	79	102	22,9	614,4	1272
4x25	RM	0,727	106	133	26,6	960,0	1810
4x35	SM	0,524	129	159	29,2	1344,0	2319
4x50	SM	0,387	157	188	34,7	1920,0	3376
4x70	SM	0,268	199	232	38,9	2688,0	4402
4x95	SM	0,193	246	280	44,2	3648,0	5818
4x120	SM	0,153	285	318	47,8	4608,0	7027