



NAYB(AI)Y

Power cable 0,6/1 kV with Al 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: Al, class 1 or 2, according to EN 60228
 Insulation: PVC compound
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Armour: two aluminium tapes
 Sheath: PVC compound

STANDARD

IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

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

Outer Sheath Colour:

● Black

Other colours available on request

CERTIFICATION



International
Electrotechnical
Commission

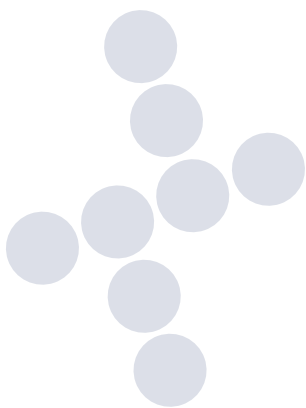


THREE- CORE CABLES:

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
3x16	RM/RE	1,910	-	-	22,4	139,2	704,7
3x25	RM	1,200	82	102	25,7	217,5	945,1
3x35	RM	0,868	100	123	28,1	304,5	1145,1
3x50	SM	0,641	119	144	31,9	435,0	1131,7
3x70	SM	0,443	152	179	35,8	609,0	1441,1
3x95	SM	0,320	186	215	40,9	826,5	1844,0
3x120	SM	0,253	216	245	44,1	1044,0	2194,2

FOUR- CORE CABLES:

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
4x16	RE/RM	1,910	-	-	24,1	185,6	803,7
4x25	RM	1,200	82	102	27,8	290	1087,1
4x35	RM	0,868	100	123	30,4	406	1324,8
4x50	SM	0,641	119	144	34,7	580	1378,4
4x70	SM	0,443	152	179	38,9	812	1766,2
4x95	SM	0,320	186	215	44,6	1102	2306,3
4x120	SM	0,253	216	245	48,2	1392	2718,7



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