



N2XB2Y

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

APPLICATION

Distribution power cable for static application, mostly in ground, but also in water, within facilities, in cable canals, in concrete. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and other electric plants. Applied in conditions requiring protection against heavier mechanical damages, but where cables are not exposed to heavier tensile strain.

CONSTRUCTION

Conductors: Cu, class1 or 2 according to EN 60228
Insulation: XLPE compound DIX 3
Bedding: Extruded elastomere or plastomere compound or plastic tape
Armour: two galvanized steel tapes
Sheath: HDPE compound DMP 2

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

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: 90°C
Max. short-circuit temperature: 250°C

STANDARD

HD 603 S1, IEC 60502-1

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	RE/RM	4,61	42	52	14,2	76,8	326
2x6	RE/RM	3,08	53	64	15,2	115,2	390
2x10	RE/RM	1,83	74	86	17,2	192,0	521
2x16	RE/RM	1,15	98	112	19,0	307,2	706
2x25	RM	0,727	133	145	22,0	480,0	1001
2x35	RM	0,524	162	174	24,2	672,0	1275
2x50	RM	0,387	197	206	27,4	960,0	1729
2x70	RM	0,268	250	254	31,4	1344,0	2299
3x10	RE/RM	1,830	74	86	18,0	288,0	637
3x16	RE/RM	1,150	98	112	19,9	460,8	884
3x25	RE/RM	0,727	133	145	23,2	720,0	1275
3x35	SM	0,524	162	174	24,5	1008,0	1341
3x50	SM	0,387	197	206	28,3	1440,0	2044
3x70	SM	0,268	250	254	32,5	2016,0	2709
3x95	SM	0,193	308	305	35,7	2736,0	3493
3x120	SM	0,153	359	348	39,1	3456,0	4363
3x150	SM	0,124	412	392	43,2	4320,0	5336
3x185	SM	0,0991	475	444	47,1	5328,0	6470
3x240	SM	0,0754	564	517	52,5	6912,0	8185
4x10	RE/RM	1,830	74	86	19,3	384,0	841
4x16	RE/RM	1,150	98	112	21,5	614,4	1162
4x25	RE/RM	0,727	133	145	25,1	960,0	1671
4x35	SM	0,524	162	174	27,1	1344,0	1847
4x50	SM	0,387	197	206	31,2	1920,0	2741
4x70	SM	0,268	250	254	35,8	2688,0	3662
4x95	SM	0,193	308	305	39,6	3648,0	4821
4x120	SM	0,153	359	348	43,4	4608,0	5903
4x150	SM	0,124	412	392	48,8	5760,0	7290
4x185	SM	0,0991	475	444	53,2	7104,0	8815
4x240	SM	0,0754	564	517	59,3	9216,0	11194
5x10	RE/RM	1,830	74	86	20,7	480	885,6
5x16	RE/RM	1,150	98	112	23,1	768	1258,4
5x25	RM	0,727	133	145	27,2	1200	1847,4
5x35	RM	0,524	162	174	30,2	1680	2429,2
5x50	RM	0,387	197	206	35,6	2400	3545,1
5x70	RM	0,268	250	254	40,7	3360	4781,6
5x95	RM	0,193	308	305	45,4	4560	6287,1