



VG-YMvKas

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

APPLICATION

A power and control cable for general use in low voltage installations up to 1 kV. Suitable for applications indicated in NEN 1010. Suited for direct burial (also in wet conditions but not directly in water) and above ground, as power cable for mains and distribution boards.

TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv
 Rated voltage: 0,6/1 kV
 Bending radius (min): 16D;
 Min. laying temperature: 0°C
 Max. working temperature: 90°C
 Max. short-circuit temperature: 250°C
 Min. bending radius during installation: 10D

CONSTRUCTION

Conductors: Cu, class 2 according to EN 60228
 Insulation: : XLPE compound
 Inner sheath: PVC compound
 Armour: Galvanized steel wires armour with copper earth wires and galvanizet steel counter helix tape
 Sheat: PVC FR compound, UV resistant

STANDARD

HD 604 S1, 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:

- Grey

Other colours available on request

CERTIFICATION



NOMINAL CROSS-SECTION	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
3x35/16	0,524	165	176	24,6	1008,0	1822
3x50/25	0,387	201	208	27,7	1440,0	2495
3x70/35	0,268	255	256	31,7	2016,0	3295
3x95/50	0,193	314	307	35,7	2736,0	4445
3x120/60	0,153	364	349	38,7	3456,0	5351
3x150/75	0,124	416	391	43,0	4320,0	6552
3x185/95	0,0991	480	442	47,9	5328,0	8190
3x240/120	0,0754	565	509	53,3	6912,0	10612
3x300/150	0,0601	643	569	59,2	8640,0	13599

NOMINAL CROSS-SECTION	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
4x35/16	0,524	165	176	27,2	1344	2237
4x50/25	0,387	201	208	31,0	1920	3119
4x70/35	0,268	255	256	35,4	2688	4154
4x70/70	0,268	255	256	36,4	2688	4407
4x95/50	0,193	314	307	39,8	3648	5881
4x120/60	0,153	364	349	44,1	4608	6808
4x150/75	0,124	416	391	48,0	5760	8213
4x185/95	0,0991	480	442	53,8	7104	10393
4x240/120	0,0754	565	509	59,9	9216	12,914
4x300/150	0,0601	643	569	66,1	11520	16934