



## VG-YMvKas Al

Power cable 0,6/1 kV with Al 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: Al, 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 <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
1x70/20	0,443	194	197	18,9	203	751
1x150/45	0,206	316	302	24,4	435	1310
1x240/75	0,125	430	397	31,1	696	2038

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 <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
3x35/16	0,868	128	136	24,6	304,5	1109
3x50/16	0,641	152	159	27,0	435,0	1344
3x70/20	0,443	194	197	31,7	609,0	1869
3x95/30	0,320	239	236	34,9	826,5	2272
3x95/35	0,320	239	236	35,7	826,5	2466
3x120/35	0,253	278	269	38,7	1044,0	2944
3x150/45	0,206	316	302	43,0	1305,0	3470
3x185/60	0,164	365	342	47,9	1609,5	4518
3x240/75	0,125	430	397	53,3	2088,0	5356
3x300/95	0,100	506	454	59,2	2610,0	7041

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 <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
4x35/16	0,868	128	136	27,2	406	1289
4x50/16	0,641	152	159	30,3	580	1593
4x70/20	0,443	194	197	35,4	812	2243
4x95/30	0,320	239	236	39,0	1102	2718
4x120/35	0,253	278	269	44,1	1392	3499
4x150/45	0,206	316	302	48,0	1740	4150
4x185/60	0,164	365	342	53,8	2146	5290
4x240/75	0,125	430	397	59,9	2784	6432
4x300/95	0,100	506	454	66,1	3480	8244