



Application

Temporary installations on construction sites and similar installations.

Conductor	Flexible aluminum conductor principally like IEC 60228 class 5
Separator	Foil around conductor
Conductor insulation	EPR rubber 90°C acc. to EN 50363-1
Core marking	Colour code acc. to HD 308
Filler	Nonwoven
Sheath	Yellow thermoplastic polyurethane
Ambient temp. at installation	Min -40°C
Conductor temperature	Max 90°C
Short circuit temperature	Max 250°C
Min. bending radius	6xD fixed installed
Rated voltage	450/750V
Test voltage	2,5 kV
Oil resistant	IEC 60811-404
UV resistant	ISO 4892
Flame retardant	IEC 60332-1
Halogen free	IEC 60754
CPR fire class	Eca, 4G6-4G50, 5G6-5G50, DoP nr 1176305
Meets RoHS and REACH	
Approval	CE acc. to Low Voltage Directive
Design	EN 50525-2-21 in applicable parts

Dimension • Weight

No of conductors x cross section	Outer diameter mm	Weight kg/km
4G6	17,1	323
4G10	21,2	493
4G16	23,9	633
4G25	28,7	916
4G35	33,4	1210
4G50	39,0	1657
5G6	19,0	403
5G10	23,4	607
5G16	26,6	791
5G25	31,9	1145
5G35	36,9	1495
5G50	43,5	2083

Current-carrying capacity acc. to IEC 60364-5-52, table B.52.13

No of conductors x cross section	Multi-core cable with three loaded conductors in free air, method E, ambient temperature 30°C
4G6	42 A
4G10	58 A
4G16	77 A
4G25	97 A
4G35	120 A
4G50	146 A
5G6	42 A
5G10	58 A
5G16	77 A
5G25	97 A
5G35	120 A
5G50	146 A

Correction factor for current-carrying capacity at other temperatures than +30°C.

10°C: 1,15 15°C: 1,12 20°C: 1,08 25°C: 1,04 35°C: 0,96 40°C: 0,91 45°C: 0,87
 50°C: 0,82 55°C: 0,76 60°C: 0,71 65°C: 0,65 70°C: 0,58 75°C: 0,50 80°C: 0,41

Technical and electrical data

No of conductors x cross section	Maximum pulling force during installation	Maximum short circuit current 1s	Maximum conductor resistance at 20°C
4G6	720 N	564 A	4,61 Ohm/km
4G10	1200 N	940 A	3,08 "
4G16	1920 N	1500 A	1,91 "
4G25	3000 N	2350 A	1,20 "
4G35	4200 N	3300 A	0,868 "
4G50	6000 N	4700 A	0,641 "
5G6	900 N	564 A	4,61 "
5G10	1500 N	940 A	3,08 "
5G16	2400 N	1500 A	1,91 "
5G25	3750 N	2350 A	1,20 "
5G35	5250 N	3300 A	0,868 "
5G50	7500 N	4700 A	0,641 "