



## 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	EN 50618 Annex E
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
4G70	47,5	1942
4G95	53,5	2445
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
4G70	187 A
4G95	227 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*

<b>No of conductors x cross section</b>	<b>Maximum pulling force during installation</b>	<b>Maximum short circuit current 1s</b>	<b>Maximum conductor resistance at 20°C</b>
<b>4G6</b>	720 N	564 A	4,61 Ohm/km
<b>4G10</b>	1200 N	940 A	3,08 "
<b>4G16</b>	1920 N	1500 A	1,91 "
<b>4G25</b>	3000 N	2350 A	1,20 "
<b>4G35</b>	4200 N	3300 A	0,868 "
<b>4G50</b>	6000 N	4700 A	0,641 "
<b>4G70</b>	8400 N	6600 A	0,443 "
<b>4G95</b>	11400 N	8900 A	0,320 "
<b>5G6</b>	900 N	564 A	4,61 "
<b>5G10</b>	1500 N	940 A	3,08 "
<b>5G16</b>	2400 N	1500 A	1,91 "
<b>5G25</b>	3750 N	2350 A	1,20 "
<b>5G35</b>	5250 N	3300 A	0,868 "
<b>5G50</b>	7500 N	4700 A	0,641 "