

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)AMI 0,6/1kV



ELETTROTEK KABEL® FG7OAM1

Construction:

| | |
|----------------------|--|
| Conductor: | flexible red copper conductor Cl.5, acc. to IEC 60228 |
| Insulation: | rubber, type G7 |
| Colour cores: | acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores |
| Inner sheath: | thermoplastic, halogen free compound |
| Armour: | braid of galvanized steel wires |
| Outer sheath: | green (RAL 6018), thermoplastic, halogen-free, type M1 |

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

| | |
|---------------------------------------|----------------------|
| Nominal voltage: | 0,6/1 kV |
| Test voltage: | 4 kV |
| Temperature range: | - 15 °C / + 90 °C |
| Max short circuit temperature: | + 250 °C |
| Min. bending radius: | 14 x d |
| Max. tensile stress: | 50 N/mm ² |

Features:

according to IEC 60502-1

| Part no. | No. of cores x cross section n x mm ² | Outer-Ø ca. mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 46170GE3020M15 | 2x1,5 | 12,7 | 28,8 | 258 | 16 |
| 46170GE3020M25 | 2x2,5 | 13,7 | 48 | 302 | 14 |
| 46170GE3020M40 | 2x4 | 14,9 | 76,8 | 359 | 12 |
| 46170GE3020M60 | 2x6 | 16,1 | 115,2 | 424 | 10 |
| 46170GE3020M61 | 2x10 | 18,2 | 192 | 605 | 8 |
| 46170GE3020M62 | 2x16 | 20,4 | 307,2 | 783 | 6 |
| 46170GE3020M63 | 2x25 | 24 | 480 | 1170 | 4 |
| 46170GE3020M64 | 2x35 | 26,6 | 672 | 1450 | 2 |
| 46170GE3020M65 | 2x50 | 30,5 | 960 | 1900 | 1 |
| 46170GE3020M66 | 2x70 | 34,3 | 1344 | 2735 | 2/0 |
| 46170GE3020M67 | 2x95 | 38,6 | 1824 | 3320 | 3/0 |
| 46170GE3020M68 | 2x120 | 43 | 2304 | 4125 | 4/0 |
| 46170GE3020M69 | 2x150 | 47,5 | 2880 | 5780 | 250 MCM |
| 46170GE2031M15 | 3G1,5 | 13,3 | 43,2 | 280 | 16 |
| 46170GE2031M25 | 3G2,5 | 14,3 | 72 | 335 | 14 |
| 46170GE2031M40 | 3G4 | 15,6 | 115,2 | 405 | 12 |
| 46170GE2031M60 | 3G6 | 16,9 | 172,8 | 490 | 10 |
| 46170GE2031M61 | 3G10 | 19,2 | 288 | 715 | 8 |
| 46170GE2031M62 | 3G16 | 21,5 | 460,8 | 990 | 6 |
| 46170GE2031M63 | 3G25 | 25,4 | 720 | 1410 | 4 |
| 46170GE2031M64 | 3G35 | 28,3 | 1008 | 1810 | 2 |
| 46170GE2031M65 | 3G50 | 32,4 | 1440 | 2350 | 1 |
| 46170GE2031M66 | 3G70 | 36,8 | 2016 | 3370 | 2/0 |
| 46170GE2031M67 | 3G95 | 41,2 | 2736 | 4520 | 3/0 |
| 46170GE2031M68 | 3G120 | 45,8 | 3456 | 5880 | 4/0 |
| 46170GE2031M69 | 3G150 | 50,9 | 4320 | 7200 | 250 MCM |
| 46170GE2031M70 | 3G185 | 56,6 | 5328 | 8350 | 350 MCM |
| 46170GE2031M71 | 3G240 | 63,3 | 6912 | 10990 | 450 MCM |
| 46170GE2031M72 | 3G300 | 69,5 | 8640 | 13740 | 550 MCM |

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| Part no. | No. of cores x cross section n x mm ² | Outer-Ø ca. mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 46170GE2041M15 | 4G1,5 | 14,1 | 57,6 | 320 | 16 |
| 46170GE2041M25 | 4G2,5 | 15,3 | 96 | 385 | 14 |
| 46170GE2041M40 | 4G4 | 16,7 | 153,6 | 470 | 12 |
| 46170GE2041M60 | 4G6 | 18,4 | 230,4 | 575 | 10 |
| 46170GE2041M61 | 4G10 | 20,8 | 384 | 850 | 8 |
| 46170GE2041M62 | 4G16 | 23,4 | 614,4 | 1220 | 6 |
| 46170GE2041M63 | 4G25 | 27,7 | 960 | 1730 | 4 |
| 46170GE2035M64 | 3x35+25 | 30,4 | 1248 | 2110 | 2 |
| 46170GE2035M65 | 3x50+25 | 33,6 | 1680 | 2700 | 1 |
| 46170GE2035M66 | 3x70+35 | 38,2 | 2352 | 3715 | 2/0 |
| 46170GE2035M67 | 3x95+50 | 43,4 | 3216 | 5020 | 3/0 |
| 46170GE2035M68 | 3x120+70 | 48,4 | 4128 | 6600 | 4/0 |
| 46170GE2035M69 | 3x150+95 | 53,9 | 5232 | 8110 | 250 MCM |
| 46170GE2035M70 | 3x185+95 | 58,8 | 6240 | 9350 | 350 MCM |
| 46170GE2035M71 | 3x240+150 | 66,9 | 8352 | 12400 | 450 MCM |
| 46170GE2035M72 | 3x300+150 | 72,2 | 10080 | 14970 | 550 MCM |
| 46170GE2051M15 | 5G1,5 | 15,1 | 72 | 375 | 16 |
| 46170GE2051M25 | 5G2,5 | 16,4 | 120 | 460 | 14 |
| 46170GE2051M40 | 5G4 | 18,2 | 192 | 570 | 12 |
| 46170GE2051M60 | 5G6 | 19,8 | 288 | 700 | 10 |
| 46170GE2051M61 | 5G10 | 22,4 | 480 | 1080 | 8 |
| 46170GE2051M62 | 5G16 | 25,4 | 768 | 1480 | 6 |
| 46170GE2051M63 | 5G25 | 30,5 | 1200 | 2100 | 4 |
| 46170GE2051M64 | 5G35 | 34 | 1680 | 2950 | 2 |
| 46170GE2051M65 | 5G50 | 39,4 | 2400 | 4200 | 1 |
| 46170GE0071M15 | 7G1,5 | 16,1 | 100,8 | 430 | 16 |
| 46170GE0071M25 | 7G2,5 | 17,8 | 168 | 540 | 14 |
| 46170GE0101M15 | 10G1,5 | 19,7 | 144 | 470 | 16 |
| 46170GE0101M25 | 10G2,5 | 21,6 | 240 | 685 | 14 |
| 46170GE0121M15 | 12G1,5 | 20,2 | 172,8 | 615 | 16 |
| 46170GE0121M25 | 12G2,5 | 22,2 | 288 | 785 | 14 |
| 46170GE0161M15 | 16G1,5 | 22 | 230,4 | 740 | 16 |
| 46170GE0161M25 | 16G2,5 | 24,3 | 384 | 1005 | 14 |
| 46170GE0191M15 | 19G1,5 | 23 | 273,6 | 870 | 16 |
| 46170GE0191M25 | 19G2,5 | 25,4 | 456 | 1120 | 14 |
| 46170GE0241M15 | 24G1,5 | 26,4 | 345,6 | 1035 | 16 |
| 46170GE0241M25 | 24G2,5 | 29,3 | 576 | 1350 | 14 |

Other dimensions and colours available on request.