

SECURITY CABLES

FTGI8(O)MI6 0,6/1 kV

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, B2ca-s1a, d1, a1



ELETTROTEK KABEL® FTGI8OM16, B2ca-s1a, d1, a1

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228
- Insulation:** mica tape + rubber type G18
- Filler:** non-fibrous and non-higroscopic filler compound
- Outer sheath:** blue (RAL 5015), halogen-free type M16

Resistance:



Flame / Fire retardant and self-extinguishing acc.to:
DIN VDE 0482 part 265-2-1,
IEC EN 60332-1-2,
EN 50399



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



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)



Smoke density acc. to:
IEC 61034
EN 61034, CEI 20-38



Fire resistant acc. to:
EN 50200 PH/F 120 (CEI 20-36/4-0)
EN 50362 (CEI 20-36/5-0)

Technical data:

- Nominal voltage:** Uo/U 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range**
- Fixed laying:* - 25 °C up to + 90 °C
- Flexible application:* 0 °C up to + 90 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:**
- Control:* 14 x D
- Power:* 12 x D

Features:

- according to IEC 60502-1
- IEC EN 60332-1-2, EN 50399
- according to CPR UE 305/11, EN 50575:2014 + A1:2016, B2ca-s1a, d1, a1
- classification (CEI UNEL 35016), EN 13501-6
- CEI 20-45 V2

| 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.*) |
|----------------|---|---------------------------|---------------------------|----------------------------------|--------------|
| 49340GBL010M15 | 1x1,5 | 7,8 | 14,4 | 83 | 16 |
| 49340GBL010M25 | 1x2,5 | 8,3 | 24 | 97 | 14 |
| 49340GBL010M40 | 1x4 | 8,9 | 38,4 | 120 | 12 |
| 49340GBL010M60 | 1x6 | 9,3 | 57,6 | 141 | 10 |
| 49340GBL010M61 | 1x10 | 10,9 | 96 | 201 | 8 |
| 49340GBL010M62 | 1x16 | 11,8 | 153,6 | 268 | 6 |
| 49340GBL010M63 | 1x25 | 13,3 | 240 | 363 | 4 |
| 49340GBL010M64 | 1x35 | 14,5 | 336 | 460 | 2 |
| 49340GBL010M65 | 1x50 | 17 | 480 | 650 | 1 |
| 49340GBL010M66 | 1x70 | 19,4 | 672 | 870 | 2/0 |
| 49340GBL010M67 | 1x95 | 21,5 | 912 | 1110 | 3/0 |
| 49340GBL010M68 | 1x120 | 22,8 | 1152 | 1380 | 4/0 |
| 49340GBL010M69 | 1x150 | 25 | 1440 | 1680 | 250 MCM |
| 49340GBL010M70 | 1x185 | 26,9 | 1776 | 2000 | 350 MCM |
| 49340GBL010M71 | 1x240 | 31,8 | 2304 | 2580 | 450 MCM |
| 49340GBL010M72 | 1x300 | 34 | 2880 | 3184 | 550 MCM |

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ELETTROTEK KABEL® FTGI8OM16, B2ca-s1a, d1, a1

| 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.)* |
|----------------|--|---------------------------|---------------------------|----------------------------------|--------------|
| 49340GB3020M15 | 2x1,5 | 12,7 | 28,8 | 186 | 16 |
| 49340GB3020M25 | 2x2,5 | 13,5 | 48 | 232 | 14 |
| 49340GB3020M40 | 2x4 | 14,9 | 76,8 | 287 | 12 |
| 49340GB3020M60 | 2x6 | 16,1 | 115,2 | 356 | 10 |
| 49340GB3020M61 | 2x10 | 18,4 | 192 | 421 | 8 |
| 49340GB3020M62 | 2x16 | 20 | 307,2 | 669 | 6 |
| 49340GB3020M63 | 2x25 | 23 | 480 | 959 | 4 |
| 49340GB3020M64 | 2x35 | 25 | 672 | 1240 | 2 |
| 49340GB3020M65 | 2x50 | 28,7 | 960 | 1670 | 1 |
| 49340GB2031M15 | 3g1,5 | 13,8 | 43,2 | 212 | 16 |
| 49340GB2031M25 | 3g2,5 | 14,3 | 72 | 250 | 14 |
| 49340GB2031M40 | 3g4 | 15,6 | 115,2 | 327 | 12 |
| 49340GB2031M60 | 3g6 | 17 | 172,8 | 431 | 10 |
| 49340GB2031M61 | 3g10 | 20 | 288 | 600 | 8 |
| 49340GB2031M62 | 3g16 | 21,8 | 460,8 | 812 | 6 |
| 49340GB2031M63 | 3g25 | 25,2 | 720 | 1215 | 4 |
| 49340GB2031M64 | 3g35 | 28,1 | 1008 | 1590 | 2 |
| 49340GB2031M65 | 3g50 | 33,1 | 1440 | 2210 | 1 |
| 49340GB2031M66 | 3g70 | 37,2 | 2016 | 2960 | 2/0 |
| 49340GB2031M67 | 3g95 | 42,1 | 2736 | 3940 | 3/0 |
| 49340GB2031M68 | 3g120 | 46,8 | 3456 | 4820 | 4/0 |
| 49340GB2031M69 | 3g150 | 51,3 | 4320 | 5950 | 250 MCM |
| 49340GB2041M15 | 4g1,5 | 14,2 | 57,6 | 250 | 16 |
| 49340GB2041M25 | 4g2,5 | 15,2 | 96 | 309 | 14 |
| 49340GB2041M40 | 4g4 | 16,8 | 153,6 | 387 | 12 |
| 49340GB2041M60 | 4g6 | 18,1 | 230,4 | 526 | 10 |
| 49340GB2041M61 | 4g10 | 21,4 | 384 | 744 | 8 |
| 49340GB2041M62 | 4g16 | 25,2 | 614,4 | 1042 | 6 |
| 49340GB2041M63 | 4g25 | 29,1 | 960 | 1486 | 4 |
| 49340GB2035M64 | 3x35+25 | 31,4 | 1248 | 1886 | 2 |
| 49340GB2035M65 | 3x50+1g25 | 35 | 1680 | 2500 | 1 |
| 49340GB2035M66 | 3x70+1g35 | 39,3 | 2352 | 3410 | 2/0 |
| 49340GB2035M67 | 3x95+1g50 | 45,1 | 3216 | 4550 | 3/0 |
| 49340GB2035M68 | 3x120+1g70 | 51,5 | 4128 | 5850 | 4/0 |
| 49340GB2035M69 | 3x150+1g95 | 56,6 | 5232 | 7260 | 250 MCM |
| 49340GB2051M15 | 5g1,5 | 15,5 | 72 | 304 | 16 |
| 49340GB2051M25 | 5g2,5 | 16,7 | 120 | 377 | 14 |
| 49340GB2051M40 | 5g4 | 18,2 | 192 | 480 | 12 |
| 49340GB2051M60 | 5g6 | 19,9 | 288 | 660 | 10 |
| 49340GB2051M61 | 5g10 | 24,1 | 480 | 954 | 8 |
| 49340GB2051M62 | 5g16 | 28,3 | 768 | 1304 | 6 |
| 49340GB2051M63 | 5g25 | 32,2 | 1200 | 1952 | 4 |
| 49340GB2051M64 | 5g35 | 36,4 | 1680 | 2577 | 2 |
| 49340GB2051M65 | 5g50 | 41,2 | 2400 | 3510 | 1 |
| 49340GB0071M15 | 7g1,5 | 17,6 | 100,8 | 410 | 16 |
| 49340GB0101M15 | 10g1,5 | 19,9 | 144 | 540 | 16 |
| 49340GB0121M15 | 12g1,5 | 22 | 172,8 | 630 | 16 |
| 49340GB0161M15 | 16g1,5 | 24,3 | 230,4 | 840 | 16 |
| 49340GB0191M15 | 19g1,5 | 25,5 | 273,6 | 950 | 16 |
| 49340GB0241M15 | 24g1,5 | 29,9 | 345,6 | 1170 | 16 |
| 49340GB0071M25 | 7g2,5 | 18,4 | 168 | 510 | 14 |
| 49340GB0101M25 | 10g2,5 | 21,6 | 240 | 680 | 14 |
| 49340GB0121M25 | 12g2,5 | 23,9 | 288 | 790 | 14 |
| 49340GB0161M25 | 16g2,5 | 27,6 | 384 | 1100 | 14 |
| 49340GB0191M25 | 19g2,5 | 29 | 456 | 1240 | 14 |
| 49340GB0241M25 | 24g2,5 | 33,2 | 576 | 1560 | 14 |

Other dimensions and colours available on request.