

## FG7OH2R 0,6/1 KV



ELETTROTEK KABEL® FG7OH2R

### 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 core
- Inner sheath:** thermoplastic compound
- Screen:** red copper braid
- Outer sheath:** grey (RAL 7035), PVC, type Rz

### Resistance:



**Flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 60332-1-2 CEI 20-22II



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

### 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:** 8 x d
- Max. tensile stress:** 50 N/mm<sup>2</sup>

### Features:

- according to IEC 60502-1
- EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. (*) |
|----------------|--|----------------------------|---------------------------|----------------------------------|----------------|
| 46090G8L010M61 | 1X10   | 9,5                        | 139                       | -                                | 8              |
| 46090G8L010M62 | 1X16   | 10,5                       | 198                       | -                                | 6              |
| 46090G8L010M63 | 1X25   | 12                         | 283,5                     | -                                | 4              |
| 46090G8L010M64 | 1X35   | 14,5                       | 378                       | -                                | 2              |
| 46090G8L010M65 | 1X50   | 16,5                       | 522                       | -                                | 1              |
| 46090G8L010M66 | 1X70   | 17,5                       | 729                       | -                                | 2/0            |
| 46090G8L010M67 | 1X95   | 20                         | 967,5                     | -                                | 3/0            |
| 46090G8L010M68 | 1X120  | 23                         | 1219                      | -                                | 4/0            |
| 46090G8L010M69 | 1X150  | 26                         | 1512                      | -                                | 250 MCM        |
| 46090G8L010M70 | 1X185  | 29,5                       | 1858                      | -                                | 350 MCM        |
| 46090G8L010M71 | 1X240  | 32                         | 2394                      | -                                | 450 MCM        |
| 46090G83020M15 | 2X1,5  | 12,5                       | 72                        | 241                              | 16             |
| 46090G83020M25 | 2X2,5  | 13,5                       | 90                        | 280                              | 14             |
| 46090G83020M40 | 2X4  | 15                         | 121,5                     | 336                              | 12             |
| 46090G83020M60 | 2X6  | 16                         | 157,5                     | 395                              | 10             |
| 46090G83020M61 | 2X10   | 18                         | 238,5                     | 567                              | 8              |
| 46090G83020M62 | 2X16   | 20,5                       | 364,5                     | 738                              | 6              |
| 46090G83020M63 | 2X25   | 24                         | 558                       | 1107                             | 4              |
| 46090G83020M64 | 2X35   | 26,5                       | 738                       | 1403                             | 2              |
| 46090G83020M65 | 2X50   | 30,5                       | 1048,5                    | 1830                             | 1              |

# INDUSTRIAL LOW VOLTAGE CABLES

## FG7OH2R 0,6/1 KV



ELETTROTEK KABEL® FG7OH2R

| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca. mm<br>± 10% | Copper<br>weight<br>kg/km | Cable<br>weight approx.<br>kg/km | AWG<br>no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 46090G82031M15 | 3G1,5  | 13,5                       | 85,5                      | 262                              | 16            |
| 46090G82031M25 | 3G2,5  | 14,5                       | 117                       | 316                              | 14            |
| 46090G82031M40 | 3G4  | 15,5                       | 157,5                     | 380                              | 12            |
| 46090G82031M60 | 3G6  | 17                         | 216                       | 456                              | 10            |
| 46090G82031M61 | 3G10   | 19                         | 342                       | 675                              | 8             |
| 46090G82031M62 | 3G16   | 21,5                       | 517,5                     | 939                              | 6             |
| 46090G82031M63 | 3G25   | 25,5                       | 801                       | 1346                             | 4             |
| 46090G82031M64 | 3G35   | 28,5                       | 1093                      | 1744                             | 2             |
| 46090G82031M65 | 3G50   | 32,5                       | 1543                      | 2262                             | 1             |
| 46090G82031M66 | 3G70   | 37                         | 2155,5                    | 3188                             | 2/0           |
| 46090G82031M67 | 3G95   | 41                         | 2889                      | 4309                             | 3/0           |
| 46090G82031M68 | 3G120  | 46                         | 3636                      | 5635                             | 4/0           |
| 46090G82031M69 | 3G150  | 51                         | 4554                      | 6921                             | 250 MCM       |
| 46090G82041M15 | 4G1.5  | 14                         | 99                        | 298                              | 16            |
| 46090G82041M25 | 4G2.5  | 15,5                       | 139,5                     | 357                              | 14            |
| 46090G82041M40 | 4G4  | 16,5                       | 198                       | 438                              | 12            |
| 46090G82041M60 | 4G6  | 18,5                       | 274,5                     | 535                              | 10            |
| 46090G82041M61 | 4G10   | 21                         | 445,5                     | 802                              | 8             |
| 46090G82041M62 | 4G16   | 23,5                       | 688,5                     | 1164                             | 6             |
| 46090G82041M63 | 4G25   | 28                         | 1048,5                    | 1664                             | 4             |
| 46090G82035M64 | 3X35+25  | 30,4                       | -                         | 2038                             | 2             |
| 46090G82035M65 | 3X50+25  | 33,6                       | -                         | 2606                             | 1             |
| 46090G82035M66 | 3X70+35  | 38,2                       | -                         | 3540                             | 2/0           |
| 46090G82035M67 | 3X95+50  | 43,4                       | -                         | 4818                             | 3/0           |
| 46090G82035M68 | 3X120+70   | 48,3                       | -                         | 6358                             | 4/0           |
| 46090G82035M69 | 3X150+95   | 53,9                       | -                         | 7852                             | 250 MCM       |
| 46090G82051M15 | 5G1.5  | 15,1                       | 117                       | 351                              | 16            |
| 46090G82051M25 | 5G2.5  | 16,4                       | 162                       | 424                              | 14            |
| 46090G82051M40 | 5G4  | 18,2                       | 234                       | 527                              | 12            |
| 46090G82051M60 | 5G6  | 19,8                       | 342                       | 653                              | 10            |
| 46090G82051M61 | 5G10   | 22,4                       | 549                       | 1027                             | 8             |
| 46090G82051M62 | 5G16   | 25,4                       | 846                       | 1415                             | 6             |
| 46090G82051M63 | 5G25   | 30,5                       | 1300,5                    | 2022                             | 4             |
| 46090G82051M64 | 5G35   | 34,0                       | 1809                      | -                                | 2             |
| 46090G82051M65 | 5G50   | 39,4                       | 2556                      | -                                | 1             |
| 46090G80071M15 | 7G1,5  | 15,1                       | 144                       | 399                              | 16            |
| 46090G80101M15 | 10G1,5   | 19,7                       | 202,5                     | 503                              | 16            |
| 46090G80121M15 | 12G1,5   | 20,2                       | 238,5                     | 574                              | 16            |
| 46090G80161M15 | 16G1,5   | 22                         | 301,5                     | 690                              | 16            |
| 46090G80191M15 | 19G1,5   | 23                         | 346,5                     | 813                              | 16            |
| 46090G80241M15 | 24G1,5   | 26,4                       | 432                       | 972                              | 16            |
| 46090G80071M25 | 7G2,5  | 17,8                       | 211,5                     | 1218                             | 14            |
| 46090G80101M25 | 10G2,5   | 21,6                       | 297                       | 644                              | 14            |
| 46090G80121M25 | 12G2,5   | 22,2                       | 360                       | 732                              | 14            |
| 46090G80161M25 | 16G2,5   | 24,3                       | 459                       | 950                              | 14            |
| 46090G80191M25 | 19G2,5   | 25,4                       | 535,5                     | 1056                             | 14            |
| 46090G80241M25 | 24G2,5   | 29,3                       | 675                       | 1281                             | 14            |

Other dimensions and colours available on request.