



## FG70HH2R

### Application and Description

These cables are especially suitable for photovoltaic installations in the link connection between inverter and counter. For energy transport and signals transmission both in internal and external application and wet environments. Ideal for fixed lay on walling and metallic frames. Also appropriate for direct or indirect grounded lay.

### Standard and Approval

CEI 20-13, CEI 20-22 II, CEI 20-35 (EN60332-1), CEI 20-37 pt.2 (EN50267)

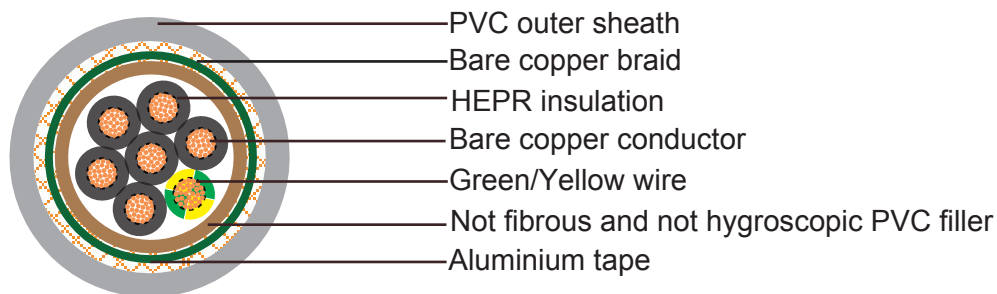
### Cable Construction

- Flexible bare copper conductor to CEI 20-29 cl.5
- Rubber HEPR, G7 quality, acc. to CEI 20-11
- Not fibrous and not hygroscopic filler
- Aluminium tape
- Bare copper wire braid
- Grey PVC RZ quality outer jacket

### Technical Characteristics

- Working voltage: 600/1000 V
- Test voltage: 4000 V
- Minimum bending radius: 8 x Ø
- Flexing temperature: -0° C to +90° C
- Static temperature: -25° C to +90° C
- Maximum short circuit temperature: +250° C
- Flame retardant: CEI 20-22 II
- Insulation resistance: 10 MΩ x km

\* Galvanized steel armouring version (FG70HHH2RAR) is available



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### Cable Parameter

| AWG         | No. of Cores x<br>Nominal Cross<br>Sectional Area<br># x mm <sup>2</sup> | Nominal<br>Thickness of<br>Insulation<br>mm | Nominal<br>Thickness of<br>Sheath<br>mm | Nominal<br>Overall<br>Diameter<br>mm | Nominal<br>Weight<br>kg/km |
|-------------|--|---|---|--------------------------------------|----------------------------|
| 16(30/30)   | 3 x 1.5  | 0.7   | 1.8                                     | 13.0                                 | 262                        |
| 14(50/30)   | 3 x 2.5  | 0.7   | 1.8                                     | 14.1                                 | 316                        |
| 12(56/28)   | 3 x 4  | 0.7   | 1.8                                     | 15.0                                 | 380                        |
| 10(84/28)   | 3 x 6  | 0.7   | 1.8                                     | 16.1                                 | 456                        |
| 8(80/26)    | 3 x 10   | 0.7   | 1.8                                     | 19.3                                 | 675                        |
| 6(128/26)   | 3 x 16   | 0.7   | 1.8                                     | 22.3                                 | 939                        |
| 4(200/26)   | 3 x 25   | 0.9   | 1.8                                     | 26.6                                 | 1346                       |
| 2(280/26)   | 3 x 35   | 0.9   | 1.8                                     | 29.2                                 | 1744                       |
| 1(400/26)   | 3 x 50   | 1   | 1.8                                     | 32.3                                 | 2262                       |
| 2/0(356/24) | 3 x 70   | 1.1   | 1.9                                     | 38.5                                 | 3188                       |
| 3/0(485/24) | 3 x 95   | 1.1   | 2                                       | 44.2                                 | 4309                       |
| 4/0(614/24) | 3 x 120  | 1.2   | 2.1                                     | 51.6                                 | 5635                       |
| 250MCM      | 3 x 150  | 1.4   | 2.3                                     | 56.6                                 | 6921                       |
| 350MCM      | 3 x 185  | 1.6   | 2.4                                     | 64.2                                 | 8079                       |
| 450MCM      | 3 x 240  | 1.7   | 2.6                                     | 72.7                                 | 10639                      |

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