FG7OHH2R

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 20-22/2, CEI 20-37 pt.2 ,CEI 20-52, IEC 60502-1, IEC60228, IEC60332.1, IEC60332.3-A, IEC60754.1

Cable Construction

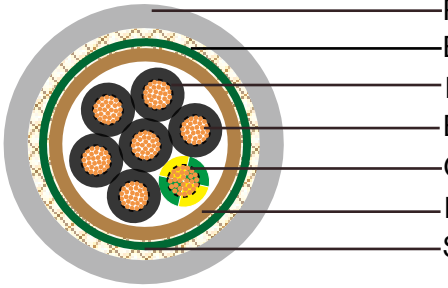
- Flexible bare copper conductor IEC60228 cl.5
- Rubber HEPR, G7 quality,acc. to CEI 20-11 - CEI 20-3
- Not fibrous and not hygroscopic filler
- Silver tape
- Bare copper wire braid
- Grey PVC outer jacket

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 20-22/2, IEC 60332-3-22, IEC60502-1 CEI 20-13
- Insulation resistance: 10 MΩ x km

* Galvinized steel armouring version (FG7OHHH2RAR) is available

Italian Standard



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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight 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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