



FG7OH1M1/FG7OH2M1

Application and Description

These cables are suitable for environments with high fire hazards risk, where it's essential to guarantee the safety of people and preserve systems and equipments from the corrosive gases (e.g. schools, hospitals, public premises, hotels, supermarkets, tubes, cinemas, theatres, discotheques, public offices). For fixed installation, both indoor and outdoor, on walls and metallic frames.

Standard and Approval

CEI 20-11, CEI 20-13, CEI 20-22 III, CEI 20-37, CEI 20-38, IEC 60502-1, IEC60228, IEC60332.1, IEC60332.3-C, IEC60754.1

Cable Construction

- Flexible bare copper conductor cl.5
- Rubber HEPR, G7 quality, acc. to CEI 20-11 - CEI 20-3
- Not fibrous and not hygroscopic filler
- Bare copper tape screen(for FG7OH1M1)
- Bare copper wire braid(for FG7OH2M1)
- Grey LSOH outer jacket

Technical Characteristics

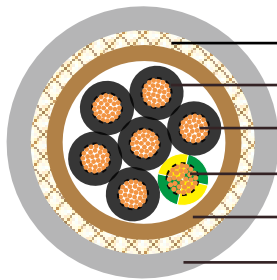
- Working voltage: 600/1000 V
- Test voltage: 4000 V
- Minimum bending radius: $8 \times \varnothing$
- Flexing temperature: -0°C to $+90^{\circ} \text{C}$
- Static temperature: -25°C to $+90^{\circ} \text{C}$
- Maximum short circuit temperature: $+250^{\circ} \text{C}$
- Flame retardant: CEI 20-22 II - IEC 60332-34, CEI EN 60332-1
- Insulation resistance: $10 \text{ M}\Omega \times \text{km}$



FG7OH2M1



Italian Standard



- Bare copper braid
- HEPR insulation
- Bare copper conductor
- Green/Yellow wire
- Not fibrous and not hygroscopic PVC filler
- LSOH outer sheath

FG70H2M1

Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
power					
16(30/30)	2 x 1.5	0.7	1.8	12.6	241
14(50/30)	2 x 2.5	0.7	1.8	13.5	280
12(56/28)	2 x 4	0.7	1.8	14.5	336
10(84/28)	2 x 6	0.7	1.8	15.5	395
8(80/26)	2 x 10	0.7	1.8	18.4	567
6(128/26)	2 x 16	0.7	1.8	20.5	738
4(200/26)	2 x 25	0.9	1.8	25.3	1107
2(280/26)	2 x 35	0.9	1.8	27.7	1403
1(400/26)	2 x 50	1	1.8	30.6	1830
2/0(356/24)	2 x 70	1.1	1.8	36.4	2571
3/0(485/24)	2 x 95	1.1	1.8	39.0	3143
4/0(614/24)	2 x 120	1.2	1.8	46.3	4316
250MCM	2 x 150	1.4	1.8	52.8	5547
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	60.2	8079
450MCM	3 x 240	1.7	2.6	69.7	10639



AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
-	3 x 35 + 25	0.9	1.8	31.1	2038
-	3 x 50 + 25	1	1.8	34.7	2606
-	3 x 70+ 35	1.1	1.9	39.8	3540
-	3 x 95 + 50	1.1	2.1	45.9	4818
-	3 x 120 + 70	1.2	2.2	53.9	6358
-	3 x 150 + 95	1.4	2.4	59.0	7852
-	3 x 185 + 95	1.6	2.6	62.8	9066
-	3 x 240 + 150	1.7	2.8	73.0	12078
16(30/30)	4 x 1.5	0.7	1.8	13.8	298
14(50/30)	4 x 2.5	0.7	1.8	14.9	357
12(56/28)	4 x 4	0.7	1.8	16.1	438
10(84/28)	4 x 6	0.7	1.8	17.3	535
8(80/26)	4 x 10	0.7	1.8	20.8	802
6(128/26)	4 x 16	0.7	1.8	24.6	1164
4(200/26)	4 x 25	0.9	1.8	28.8	1664
16(30/30)	5 x 1.5	0.7	1.8	14.9	351
14(50/30)	5 x 2.5	0.7	1.8	16.2	424
12(56/28)	5 x 4	0.7	1.8	17.5	527
10(84/28)	5 x 6	0.7	1.8	18.9	635
8(80/26)	5 x 10	0.7	1.8	23.7	1027
6(128/26)	5 x 16	0.7	1.8	26.9	1415
4(200/26)	5 x 25	0.9	1.8	31.6	2022
control					
16(30/30)	7 x 1.5	0.7	1.8	15.7	399
16(30/30)	10 x 1.5	0.7	1.8	17.8	503
16(30/30)	12 x 1.5	0.7	1.8	19.2	574
16(30/30)	16 x 1.5	0.7	1.8	21.0	690
16(30/30)	19 x 1.5	0.7	1.8	22.6	813
16(30/30)	24 x 1.5	0.7	1.8	24.6	927
14(50/30)	7 x 2.5	0.7	1.8	17.1	496
14(50/30)	10 x 2.5	0.7	1.8	19.5	644
14(50/30)	12 x 2.5	0.7	1.8	21.2	732
14(50/30)	16 x 2.5	0.7	1.8	24.0	950
14(50/30)	19 x 2.5	0.7	1.8	25.0	1056
14(50/30)	24 x 2.5	0.7	1.8	38.3	1281