FG7OH1R/FG7OH2R

Application and Description

These cables are suitable for power transport in industry, yards, residential building and handicraft. For installations on masonry and metal structures, on gangways, pipes, ducts and similar systems. For fixed installation indoors and out. Underground laying is acceptable, even if not protected. Shield guarantees an optimal protection from electromagnetic disturbs; suitable for civil and industrial places and for the transport of signals and commands.

Standard and Approval

UNEL 35377, CEI 20-13, CEI 20-22II, CEI 20-35 (EN60332-1), CEI 20-37 pt.2 (EN50267), CEI 20-52

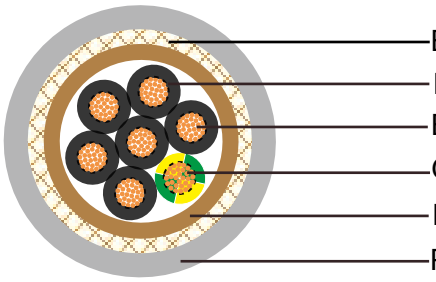
Cable Construction

- 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 FG7OH1R)
- Bare copper wire braid(for FG7OH2R)
- Grey PVC outer jacket

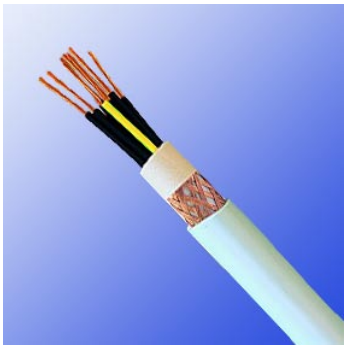
Technical Characteristics

- 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 II - IEC 60332-34, CEI EN 60332-1
- Insulation resistance: 10 MΩ x km

* Galvinized steel armouring version (FG7OH1RAR/FG7OH2RAR) is available



FG7OH2R



FG7OH2R

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
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
300MCM	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 mm²	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 x2.5	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

* Galvinized steel armouring version (FG7OH1RAR/FG7OH2RAR) is available