



FG7OR

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 outdoors. Underground laying is acceptable, even if not protected.

Standard and Approval

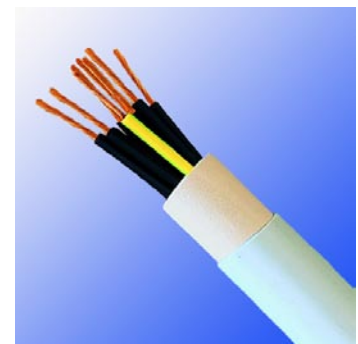
CEI 20-13, CEI 20-22/2, CEI 20-35 (EN60332-1), CEI 20-37 pt.2 (EN50267), CEI 20-52,
Low Voltage Directive 73/23/EEC

Cable Construction

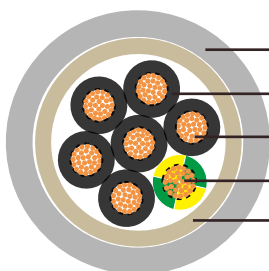
- Flexible conductor of annealed red copper Cl.5
- Rubber HEPR, G7 quality, acc. to CEI 20-11 - CEI 20-3
- Not fibrous and not hygroscopic filler
- Grey PVC RZ quality outer jacket

Technical Characteristics

- Working voltage: 600/1000 V
- Test voltage: 4000 V
- Minimum bending radius: 4 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 20-35 - IEC 60332-1
- Insulation resistance: 10 MΩ x km



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- Fire retardant PVC RZ sheath
- HEPR insulation
- Annealed copper conductor
- Green/Yellow wire
- Not fibrous and not hygroscopic filler

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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)	1 x 1.5	0.7	1.4	6.3	49
14(50/30)	1 x 2.5	0.7	1.4	6.9	60
12(56/28)	1 x 4	0.7	1.4	7.6	80
10(84/28)	1 x 6	0.7	1.4	8.2	102
8(80/26)	1 x 10	0.7	1.4	9.0	147
6(128/26)	1 x 16	0.7	1.4	10.1	206
4(200/26)	1 x 25	0.9	1.4	11.2	290
2(280/26)	1 x 35	0.9	1.4	12.2	390
1(400/26)	1 x 50	1	1.4	13.9	530
2/0(356/24)	1 x 70	1.1	1.4	16.0	720
3/0(485/24)	1 x 95	1.1	1.5	17.7	940
4/0(614/24)	1 x 120	1.2	1.5	19.7	1200
250MCM	1 x 150	1.4	1.6	21.8	1480
350MCM	1 x 185	1.6	1.6	23.9	1800
450MCM	1 x 240	1.7	1.7	26.4	2330
550MCM	1 x 300	1.8	1.8	28.9	3050
750MCM	1 x 400	2.0	1.9	35.0	4000
1000MCM	1 x 500	2.2	2.1	39.5	5020
1250MCM	1 x 630	2.4	2.2	44.0	6600
16(30/30)	2 x 1.5	0.7	1.8	12	150
14(50/30)	2 x 2.5	0.7	1.8	13	185
12(56/28)	2 x 4	0.7	1.8	14.2	238
10(84/28)	2 x 6	0.7	1.8	15.4	304
8(80/26)	2 x 10	0.7	1.8	19.2	435
6(128/26)	2 x 16	0.7	1.8	20.4	590
4(200/26)	2 x 25	0.9	1.8	24.5	830
2(280/26)	2 x 35	0.9	1.8	26.6	1100
1(400/26)	2 x 50	1	1.8	30	1500
16(30/30)	3 x 1.5	0.7	1.8	12.5	165
14(50/30)	3 x 2.5	0.7	1.8	13.6	210
12(56/28)	3 x 4	0.7	1.8	14.9	275
10(84/28)	3 x 6	0.7	1.8	16.2	355
8(80/26)	3 x 10	0.7	1.8	19.3	515
6(128/26)	3 x 16	0.7	1.8	21.6	730
4(200/26)	3 x 25	0.9	1.8	26	1040
2(280/26)	3 x 35	0.9	1.8	28.3	1370
1(400/26)	3 x 50	1	1.8	31.9	1875
2/0(356/24)	3 x 70	1.1	1.9	37.4	2610
3/0(485/24)	3 x 95	1.1	2	42.2	3340
4/0(614/24)	3 x 120	1.2	2.1	46.7	4320



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
300MCM	3 x 150	1.4	2.3	51.1	5300
-	3 x 35 + 25	0.9	1.8	30.5	1600
-	3 x 50 + 25	1	1.8	33.7	2210
-	3 x 70 + 35	1.1	1.9	38.8	3050
-	3 x 95 + 50	1.1	2.1	43.9	3800
-	3 x 120 + 70	1.2	2.2	49.3	5000
-	3 x 150 + 95	1.4	2.4	54.4	6350
16(30/30)	4 x 1.5	0.7	1.8	13.4	190
14(50/30)	4 x 2.5	0.7	1.8	14.5	245
12(56/28)	4 x 4	0.7	1.8	16.1	325
10(84/28)	4 x 6	0.7	1.8	17.5	425
8(80/26)	4 x 10	0.7	1.8	21	625
6(128/26)	4 x 16	0.7	1.8	23.5	890
4(200/26)	4 x 25	0.9	1.8	28.6	1300
16(30/30)	5 x 1.5	0.7	1.8	14.4	217
14(50/30)	5 x 2.5	0.7	1.8	15.6	283
12(56/28)	5 x 4	0.7	1.8	17.3	378
10(84/28)	5 x 6	0.7	1.8	18.8	500
8(80/26)	5 x 10	0.7	1.8	22.8	740
6(128/26)	5 x 16	0.7	1.8	25.7	1070
4(200/26)	5 x 25	0.9	1.8	31.2	1550
2(280/26)	5 x 35	0.9	1.8	34.3	2050
1(400/26)	5 x 50	1	2	39.1	2850
control					
16(30/30)	5 x 1.5	0.7	1.8	17.5	350
16(30/30)	7 x 1.5	0.7	1.8	18.5	400
16(30/30)	10 x 1.5	0.7	1.8	21.5	550
16(30/30)	12 x 1.5	0.7	1.8	22.5	600
16(30/30)	16 x 1.5	0.7	1.8	24.0	720
16(30/30)	19 x 1.5	0.7	1.8	25.0	830
16(30/30)	24 x 1.5	0.7	1.8	28.5	1050
14(50/30)	7 x 2.5	0.7	1.8	19.5	500
14(50/30)	10 x 2.5	0.7	1.8	23.5	750
14(50/30)	12 x 2.5	0.7	1.8	24.5	800
14(50/30)	16 x 2.5	0.7	1.8	26.5	1000
14(50/30)	19 x 2.5	0.7	1.8	28.0	1150
14(50/30)	24 x 2.5	0.7	1.8	31.5	1450

* Galvanized steel armouring version (FG7ORAR) is available