FTG10 (O)M1

Application and Description

These cables are for all those safety systems which, of necessity, must continue to operate even when a fire is in progress. In particular, suitable for smoke detection systems, fire-extinguishing systems, power supply to escalator and automatic doors, power supply to emergency lighting, alarm systems, ventilation plants, etc. Indoor and outdoor fixed laying on wall and racks.

Standard and Approval

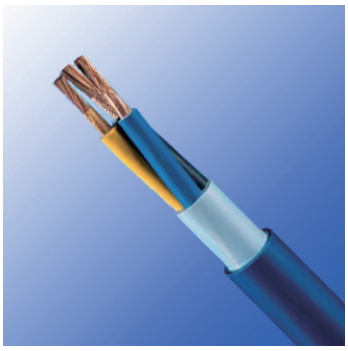
EN 50200, CEI 20-11, CEI 20-22 III, CEI 20-29, CEI 20-35, CEI 20-36, CEI 20-37, CEI 20-45, UNEL 00722

Cable Construction

- Flexible bare copper conductor to CEI 20-29 cl.5
- Glass/mica tape
- G10 quality thermoplastic rubber insulation to CEI 20-11
- Type M1 thermoplastic LSOH compound outer jacket

Technical Characteristics

- Working voltage: 600/1000 V
- Test voltage: 4000 V
- Minimum bending radius: 14 x Ø
- Flexing temperature: -5° C to +90° C
- Static temperature: -25° C to +90° C
- Maximum short circuit temperature: +250° C
- Flame retardant: CEI 20-22 III - IEC 60332-3-24
- Fire resistant: CEI 20-36 - IEC60331
- Insulation resistance: 10 MΩ x km



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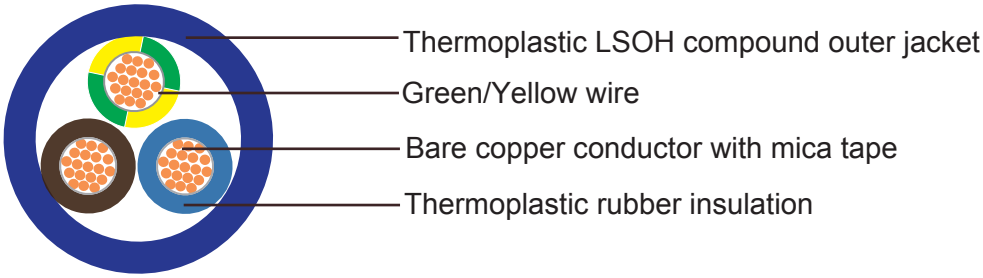

Cable Parameter

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*
Single core					
16(30/30)	1 x 1.5	1.0	1.4	7.6	80
14(50/30)	1 x 2.5	1.0	1.4	8.0	90
12(56/28)	1 x 4.0	1.0	1.4	8.6	110
10(84/28)	1 x 6.0	1.0	1.4	9.1	130
8(80/26)	1 x 10.0	1.0	1.4	10.5	180
6(128/26)	1 x 16.0	1.0	1.4	11.7	250
4(200/26)	1 x 25.0	1.2	1.4	13.0	350
2(280/26)	1 x 35.0	1.2	1.6	14.2	460
1(400/26)	1 x 50.0	1.4	1.6	16.2	620
2/0(356/24)	1 x 70.0	1.4	1.8	17.9	820
3/0(485/24)	1 x 95.0	1.6	2.0	19.6	1100
4/0(614/24)	1 x 120.0	1.6	2.0	21.4	1350
300MCM	1 x 150.0	1.8	2.0	23.3	1630
350MCM	1 x 185.0	2.0	2.0	26.0	1980
500MCM	1 x 240.0	2.4	2.0	29.4	2550
Two cores					
16(30/30)	2 x 1.5	1.0	1.8	13.4	230
14(50/30)	2 x 2.5	1.0	1.8	14.4	270
12(56/28)	2 x 4.0	1.0	1.8	15.5	330
10(84/28)	2 x 6.0	1.0	1.8	16.6	400
8(80/26)	2 x 10.0	1.0	1.8	19.0	560
6(128/26)	2 x 16.0	1.0	1.8	21.2	750
4(200/26)	2 x 25.0	1.2	2.0	23.9	1020
2(280/26)	2 x 35.0	1.2	2.0	26.2	1300
1(400/26)	2 x 50.0	1.4	2.0	30.1	1750
Three cores(including ground core)					
16(30/30)	3 x 1.5	1.0	1.8	14.2	260
14(50/30)	3 x 2.5	1.0	1.8	15.1	320
12(56/28)	3 x 4.0	1.0	1.8	16.4	390
10(84/28)	3 x 6.0	1.0	1.8	17.5	470
8(80/26)	3 x 10.0	1.0	1.8	20.0	670
6(128/26)	3 x 16.0	1.0	1.8	22.6	910
4(200/26)	3 x 25.0	1.2	2.0	25.4	1250
2(280/26)	3 x 35.0	1.2	2.0	27.8	1640
1(400/26)	3 x 50.0	1.4	2.0	32.2	2210

Italian Standard

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*
Four cores(including ground core)					
16(30/30)	4 x 1.5	1.0	1.8	15.2	300
14(50/30)	4 x 2.5	1.0	1.8	16.4	370
12(56/28)	4 x 4.0	1.0	1.8	17.9	460
10(84/28)	4 x 6.0	1.0	1.8	18.7	560
8(80/26)	4 x 10.0	1.0	2.0	21.9	810
6(128/26)	4 x 16.0	1.0	2.0	24.7	1100
4(200/26)	4 x 25.0	1.2	2.0	27.9	1530
2(280/26)	3 x 35.0+ 1 x 25	1.2	2.0	30.0	1900
1(400/26)	3 x 50.0+ 1 x 25	1.4	2.0	33.7	2440
Five cores(including ground core)					
16(30/30)	5 x 1.5	1.0		16.5	350
14(50/30)	5 x 2.5	1.0	1.8	17.9	430
12(56/28)	5 x 4.0	1.0	1.8	19.3	540
10(84/28)	5 x 6.0	1.0	1.8	20.0	670
8(80/26)	5 x 10.0	1.0	2.0	24.0	990
6(128/26)	5 x 16.0	1.0	2.0	27.1	1350
4(200/26)	5 x 25.0	1.2	2.0	30.7	1870
2(280/26)	5 x 35.0	1.2	2.2	34.0	2480
1(400/26)	5 x 50.0	1.4	2.2	39.7	3410
16(30/30)	7 x 1.5	1.0	1.8	17.9	420
16(30/30)	10 x 1.5	1.0	2.0	21.8	560
16(30/30)	12 x 1.5	1.0	2.0	22.6	630
16(30/30)	16 x 1.5	1.0	2.0	25.4	790
16(30/30)	19 x 1.5	1.0	2.0	26.2	890
14(50/30)	24 x 2.5	1.0	2.0	30.2	1170
14(50/30)	7 x 2.5	1.0	1.8	19.0	520
14(50/30)	10 x 2.5	1.0	2.0	23.7	700
14(50/30)	12 x 2.5	1.0	2.0	24.4	800
14(50/30)	16 x 2.5	1.0	2.0	27.1	1000
14(50/30)	19 x 2.5	1.0	2.0	28.5	1130
14(50/30)	24 x 2.5	1.0	2.2	33.1	1510