



## 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

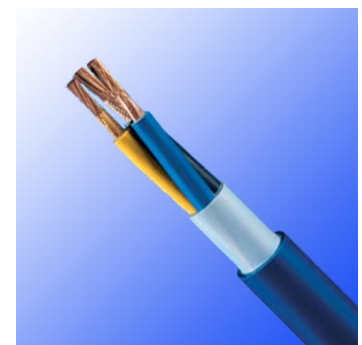
EN 50200, CEI 20-11, CEI 20-22 III, CEI 20-29, CEI 20-35, CEI 20-36, CEI 20-37, CEI 20-45, UNEL 00722

### Cable Construction

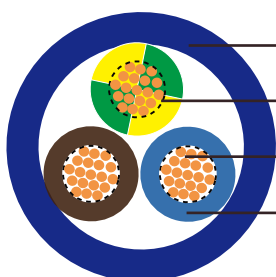
- Flexible bare copper conductor to IEC60228 cl.5
- G10 quality thermoplastic rubber insulation
- Glass or mica tape
- Type M1 thermoplastic LSOH compound outer jacket

### 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 II - IEC 60332-3-C
- Insulation resistance: 10 MΩ x km



FTG10(O)M1



Thermoplastic LSOH compound outer jacket

Green/Yellow wire

Bare copper conductor

Thermoplastic rubber insulation

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### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	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



AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	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