

Thermosetting Insulated, Flat twin and flat 3-core XLPO Sheathed Fire Resistant Cables with Circuit Protective Conductor, 300/500 V

Application

- ✓ Metro Rail, Airport, Schools, Shopping malls, Cinemas, High-rise Buildings and fire prone areas.
- ✓ Indoor and Outdoor uses.

Features

- ✓ Flammability : IEC 60332-1 & IEC 60332-3 Categories A, B & C
- ✓ Resistance to Fire : CWZ of BS : 6387, IEC 60331 & F-2 of BS : 7846
- ✓ Smoke Emission : IEC 61034 - 1 & 2
- ✓ Acid Gas Content : IEC 60754 -1 & 2, BS EN 50267 - 1 & 2

Special Features :

- a) Maintains Circuit Integrity for 3 hours under fire condition.
- b) Zero Halogen, Low Smoke and Resistance to flame propagation.
- c) Siechem Fire Resistant Cable meets BS 7846 Cat F2 and meets Test requirements as per BS 6387 CWZ, at an enhanced voltage of 600/1000V.
- d) Siechem Fire Resistant Cable also meets 60 minute rating (PH60) to BS EN 50200 and a 30 minute rating to BS 8434-1. These tests demonstrate that Fire Resistant Cable also meets the requirements for use in "Standard" installations in accordance with BS 5839-1 : 2002 for fire detection and alarm systems, and Cables with inherently high resistance to attack by fire in accordance with BS 5266-1 : 2005 for emergency lighting.

Product Construction

- ✓ Conductor : Annealed Copper conductor, Class 2 Stranded conductor.
- ✓ Insulation 1 : Glass Mica tape.
- ✓ Insulation 2 : EBXL-XLPE-120°C.
- ✓ Protective Conductor : Annealed Plain Copper.
- ✓ Outer Sheath : XLPO

Technical Data

- ✓ Temperature Range :-15°C to + 120°C
- ✓ Rated Voltage (U₀/U) : 300/500 V
- ✓ Test Voltage : 3.5kV/5 min
- ✓ Bending Radius (Min) :Upto 8 X cable OD
- ✓ Specification : BS 7211, Table - 7



Part Number	Number of Cores and mm ² Per Conductor	Conductor Construction	Outer Diameter in mm approx.		Weight Kg/Km approx.
			Min	Max	
7352302	2C x 1	7 X 0.44	4.2 x 7.8	5.1 x 9.4	100
7352702	2C x 1.5	7 X 0.53	4.5 x 8.3	5.4 x 10.0	116
7352802	2C x 2.5	7 X 0.67	5.0 x 9.5	6.1 x 11.4	156
7351002	2C x 4	7 X 0.85	5.5 x 10.4	6.7 x 12.6	197
7351302	2C x 6	7 X 1.04	6.2 x 12.0	7.5 x 14.6	267
7351602	2C x 10	7 X 1.35	7.3 x 14.5	8.8 x 17.6	394
7351902	2C x 16	7 X 1.7	8.4 x 17.0	10.1 x 20.5	585
7352303	3C x 4	7 X 0.85	5.5 x 14.0	6.7 x 16.9	271
7352703	3C x 6	7 X 1.04	6.2 x 16.2	7.5 x 19.5	367
7352803	3C x 10	7 X 1.35	7.3 x 19.5	8.8 x 23.6	542
7352803	3C x 16	7 X 1.7	8.4 x 22.8	10.1 x 27.6	809

