

## Thermosetting Insulated, Multi core, XLPO Sheathed Fire Resistant Cables, 450/750 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 :

- Maintains Circuit Integrity for 3 hours under fire condition.
- Zero Halogen, Low Smoke and Resistance to flame propagation.
- 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.
- 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 1 solid conductor.
- ✓ Insulation 1 : Glass Mica tape.
- ✓ Insulation 2 : EBXL-XLPE-120°C.
- ✓ Insulation 3 : Glass Mica tape.
- ✓ Inner Sheath : XLPO
- ✓ Outer Sheath : XLPO

### Technical Data

- ✓ Temperature Range :-15°C to + 120°C
- ✓ Rated Voltage (U<sub>0</sub>/U) : 450/750 V
- ✓ Test Voltage : 3.5kV/5 min
- ✓ Bending Radius (Min) :Upto 8 X cable OD
- ✓ Specification : BS 7211,Table - 6

ISO 9001	ISO 14001	AS 9100	ISO 45001			
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Part Number	Number of Cores and mm <sup>2</sup> Per Conductor	Conductor Construction	Outer Diameter in mm approx.		Weight Kg/Km approx.
			Min	Max	
7311002	2C x 1	1 X 1.13	7.9	9.5	179
7311302	2C x 1.5	1 X 1.38	8.4	10.1	200
7311602	2C x 2.5	1 X 1.77	9.1	11.0	238
7311902	2C x 4	1 X 2.24	10.0	12.1	290
7312302	2C x 6	1 X 2.74	10.9	13.2	354
7312702	2C x 10	1 X 3.56	12.9	15.5	489
7311003	3C x 1	1 X 1.13	8.3	10.0	200
7311303	3C x 1.5	1 X 1.38	8.8	10.6	227
7311603	3C x 2.5	1 X 1.77	9.6	11.6	275
7311903	3C x 4	1 X 2.24	10.5	12.7	342
7312303	3C x 6	1 X 2.74	11.8	14.0	425
7312703	3C x 10	1 X 3.56	14.0	16.9	616
7311004	4C x 1	1 X 1.13	7.9	9.5	229
7311304	4C x 1.5	1 X 1.38	8.4	10.1	263
7311604	4C x 2.5	1 X 1.77	9.1	11.0	323
7311904	4C x 4	1 X 2.24	10.0	12.1	408
7312304	4C x 6	1 X 2.74	10.9	13.2	529
7312704	4C x 10	1 X 3.56	12.9	15.5	749
7311005	5C x 1	1 X 1.13	7.9	9.5	262
7311305	5C x 1.5	1 X 1.38	8.4	10.1	303
7311605	5C x 2.5	1 X 1.77	9.1	11.0	377
7311905	5C x 4	1 X 2.24	10.0	12.1	496
7312305	5C x 6	1 X 2.74	10.6	13.2	644
7312705	5C x 10	1 X 3.56	12.9	15.5	894



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