



## 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 2 Stranded 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>i</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			CE
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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	
7321002	2C x 1	7 X 0.44	8.1	9.7	188
7321302	2C x 1.5	7 X 0.53	8.5	10.3	211
7321602	2C x 2.5	7 X 0.67	9.3	11.3	251
7321902	2C x 4	7 X 0.85	10.3	12.4	307
7322302	2C x 6	7 X 1.04	11.3	13.7	375
7322702	2C x 10	7 X 1.35	13.8	16.7	536
7322802	2C x 16	7 X 1.7	15.6	18.8	736
7323002	2C x 25	7 X 2.14	19.2	23.2	1043
7323202	2C x 35	7 X 2.52	21.5	26.0	1339
7321003	3C x 1	7 X 0.44	8.8	10.2	210
7321303	3C x 1.5	7 X 0.53	9.0	10.9	238
7321603	3C x 2.5	7 X 0.67	9.8	11.9	289
7321903	3C x 4	7 X 0.85	10.8	13.1	360
7322303	3C x 6	7 X 1.04	12.4	15.0	463
7322703	3C x 10	7 X 1.35	14.6	17.5	648
7322803	3C x 16	7 X 1.7	16.5	19.9	905
7323003	3C x 25	7 X 2.14	20.4	24.7	1302
7323203	3C x 35	7 X 2.52	22.9	27.6	1690
7321004	4C x 1	7 X 0.44	8.1	9.7	241
7321304	4C x 1.5	7 X 0.53	8.5	10.3	276
7321604	4C x 2.5	7 X 0.67	9.3	11.3	338
7321904	4C x 4	7 X 0.85	10.3	12.4	428
7322304	4C x 6	7 X 1.04	11.3	13.7	572
7322704	4C x 10	7 X 1.35	13.8	16.7	785
7322804	4C x 16	7 X 1.7	15.6	18.8	1109
7323004	4C x 25	7 X 2.14	19.2	23.2	1635



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			Min	Max	
7323004	4C x 35	7 X 2.52	7 X 2.52	26.0	2130
7321005	5C x 1	7 X 0.44	7 X 0.44	9.7	276
7321305	5C x 1.5	7 X 0.53	7 X 0.53	10.3	318
7321605	5C x 2.5	7 X 0.67	7 X 0.67	11.3	395
7321905	5C x 4	7 X 0.85	7 X 0.85	12.4	538
7322305	5C x 6	7 X 1.04	7 X 1.04	13.7	676
7322705	5C x 10	7 X 1.35	7 X 1.35	16.7	936
7322805	5C x 16	7 X 1.7	7 X 1.7	18.8	1359
7323005	5C x 25	7 X 2.14	7 X 2.14	23.2	2003
7323205	5C x 35	7 X 2.52	7 X 2.52	26.0	2580

