



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 :

- 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.
- ✓ 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

| | | | | | | |
|---------------------|----------------------|--------------------|----------------------|--|--|--|
| ISO 9001 | ISO 14001 | AS 9100 | ISO 45001 | | | |
|---------------------|----------------------|--------------------|----------------------|--|--|--|

| Part Number | Number of Cores and mm ² Per Conductor | Conductor Construction | Outer Diameter in mm approx. | | Weight Kg/Km approx. |
|-------------|---|------------------------|------------------------------|------------|----------------------|
| | | | Min | Max | |
| 7341002 | 2C x 1 | 1 X 1.13 | 4.1 x 7.6 | 5.0 x 9.1 | 95 |
| 7341302 | 2C x 1.5 | 1 X 1.38 | 4.4 x 8.1 | 5.3 x 9.7 | 111 |
| 7341602 | 2C x 2.5 | 1 X 1.77 | 4.9 x 9.3 | 6.0 x 11.2 | 149 |
| 7341003 | 3C x 1 | 1 X 1.13 | 4.1 x 10.0 | 5.1 x 12.1 | 126 |
| 7341303 | 3C x 1.5 | 1 X 1.38 | 4.4 x 10.7 | 5.3 x 12.9 | 149 |
| 7341603 | 3C x 2.5 | 1 X 1.77 | 4.9 x 12.0 | 6.0 x 14.6 | 195 |

