

## Thermosetting Insulated, Single core, Sheathed Fire Resistant Cable, 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.
- ✓ OuterSheath : 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 - 5

|             |              |                |            |              |   |   |
|-------------|--------------|----------------|------------|--------------|---|---|
| ISO<br>9001 | ISO<br>14001 | OHSAS<br>18001 | AS<br>9100 | ISO<br>45001 |  |  |
|-------------|--------------|----------------|------------|--------------|---|---|

| Part Number | Number of Cores and mm <sup>2</sup><br>Per Conductor | Conductor<br>Construction | Outer Diameter in<br>mm approx. |      | Weight<br>Kg/Km approx. |
|-------------|--|---------------------------|---------------------------------|------|-------------------------|
|             |  |                           | Min                             | Max  |                         |
| 73010XX     | 1C x 1   | 7 X 0.44                  | 4.0                             | 4.9  | 39                      |
| 73013XX     | 1C x 1.5   | 7 X 0.53                  | 4.3                             | 5.2  | 46                      |
| 73016XX     | 1C x 2.5   | 7 X 0.67                  | 4.7                             | 5.6  | 59                      |
| 73019XX     | 1C x 4   | 7 X 0.85                  | 5.3                             | 6.4  | 80                      |
| 73023XX     | 1C x 6   | 7 X 1.04                  | 5.9                             | 7.1  | 104                     |
| 73027XX     | 1C x 10  | 7 X 1.35                  | 6.7                             | 8.1  | 149                     |
| 73028XX     | 1C x 16  | 7 X 1.7                   | 7.6                             | 9.2  | 220                     |
| 73030XX     | 1C x 25  | 7 X 2.14                  | 9.4                             | 11.4 | 327                     |
| 73032XX     | 1C x 35  | 7 X 2.52                  | 10.6                            | 12.8 | 436                     |

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

|                |             |               |              |              |                   |               |              |             |             |             |
|----------------|-------------|---------------|--------------|--------------|-------------------|---------------|--------------|-------------|-------------|-------------|
| Red - 01       | Yellow - 02 | Blue - 03     | Black - 04   | Green - 05   | Yellow-Green - 06 | Grey - 07     | Brown - 08   | White - 09  | Orange - 10 | Violet - 11 |
| Chocolate - 12 | Tan - 13    | Charcoal - 14 | LT Blue - 15 | DK Grey - 16 | LT Green - 17     | DK Green - 18 | DK Blue - 19 | Purple - 20 | Pink - 21   |             |



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