

**Thermosetting Insulated, Non sheathed, Single core H05Z-U Fire Resistant Cable, 300/500 V**

**Application**

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

**Product Construction**

- ✓ Conductor : Annealed Copper conductor, Class 1 Solid conductor.
- ✓ Insulation 1 : Glass Mica Type.
- ✓ Insulation 2 : EBXL-XLPE-120°C.

**Technical Data**

- ✓ Temperature Range :-15°C to + 120°C
- ✓ Rated Voltage (U<sub>0</sub>/U) : 300/500 V
- ✓ Test Voltage : 3.5kV/5 min
- ✓ Bending Radius (Min) :Upto 8 X cable OD
- ✓ Specification : BS 7211,Table - 4

**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.

Approvals	Accreditations	Certifications

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	
72706XX	1C x 0.5	1 x 0.8	1.9	2.4	11
72708XX	1C x 0.75	1 x 0.97	2.1	2.6	14
72710XX	1C x 1	1 x 1.13	2.2	2.8	17

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	

\*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

