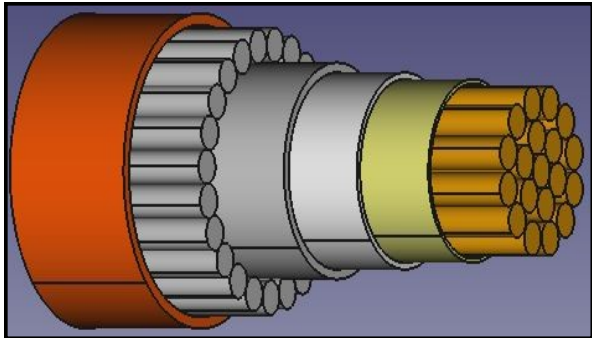


Construction of Cable: 600/1000V Armoured Fire Resistant Cable

Drawing:



Application:

Armoured *FiRLL* Fire Resistant Cables offer the advantages of an armoured 600/1000V rated, low smoke halogen free cable and are for general application in power and signal wirings, not only for emergency circuits but for areas where maintaining circuit integrity and/or control of fire spread are deemed desirable. Due to its low smoke halogen free compound which ensures flame retardant, low toxicity and acidic gases and smoke emission, the cables increase chances of survival during fire breakout. The cables are suitable for use in public, commercial and industrial environments where maintaining life, equipment and structures are critical. The cables are RoHS compliance and are suitable for continuous operation at a maximum conductor temperature of 90°C.

NO.	DESCRIPTION	LSHF Insulated LSHF Sheathed
1	Conductor	Circular stranded or circular compact plain annealed copper wire according to IEC60228 class 2
2	Flame barrier layer	Mica based fire resistant tape
3	Identification of cores: Single core – Natural Two cores – Red and Black Three cores – Red, Yellow and Blue Four cores – Red, Yellow, Blue and Black Five cores and above: Number 1, 2, 3, 4, 5... and the number shall be blue or black printed on White cores.	Low smoke halogen free (LSHF) compound
4	Laying Up	Cores stranded together. Binder tape and non-hygroscopic filler may be applied where necessary
5	Separation sheath shall be natural	LSHF compound
6	Armour	Single core – single layer of non-magnetic material eg aluminium wire Two core and above – single layer of galvanized steel wire
7	Outer sheath shall be orange	LSHF compound

TECHNICAL DATA

1	Voltage	600/1000V
2	Maximum Conductor Temperature	90°C
3	Reference	BS6387 IEC60502-1
4	Testing Voltage	3500V
5	Minimum Bending Radius	8 X Bending Radius