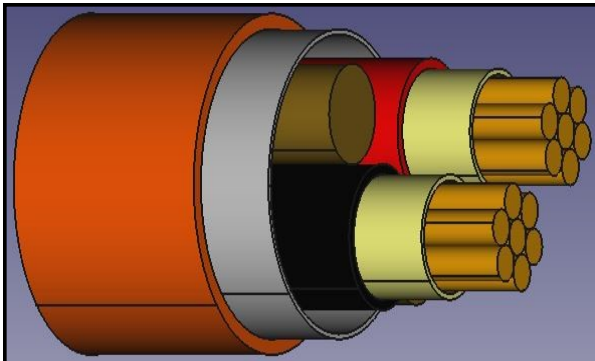


Construction of Cable: 600/1000V Non-Armoured Fire Resistant Cable

Drawing:



Application:

Non-armoured *FiRLL* Fire Resistant Cables are for general application in power and signal wirings where mechanical damages are not to be expected, not only for emergency circuits but for areas where maintaining circuit integrity and/or control of fire spread are deemed desirable. With a high level of fire resistance, the cables are durable and flexible enough to be pulled into conduit and trunking, and are the cost effective alternative to standard cable wiring systems. 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 and are ideal for installation in existing metal conduit or trunking to update existing alarm and lighting systems previously wired in PVC cables in the public, commercial and industrial environments. The cables are RoHS compliance and are suitable for operation at a maximum conductor temperature of 90°C.

NO.	DESCRIPTION	LSHF Insulated LSHF Sheathed
1	Conductor	Circular stranded or circular compact stranded 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	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