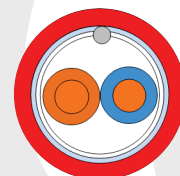


Fire Resistant Cable

ERVITAL FIRE SAFE CABLE



FLAME RETARDANT CHARACTERISTIC / LOW SMOKE EMISSION / WITHOUT POISONED AND CORROSIVE GASSES / CIRCUIT INTEGRITY 180 MINUTES / CIRCUIT INTEGRITY WITH SHOCK PH 120 / CWZ ACCORDING TO BS STANDARDS

APPLICATION

Used as a power and control cable

- In emergency lighting
- In fire detection
- In fire alarm system circuits
- In places where human life and valuable materials and equipment need to be protected

CONSTRUCTION

Conductor	EN 60228 Class 1 (RE) & 2 (RM) Electrolytic Copper
Insulation	EN 50363-1 E12 Cross-linked Ceramic Forming Polymer Compound
	2-core : Brown, Blue or Brown, Brown
Colour Code	3-core : Brown, Black, Grey
	4-core : Blue, Brown, Black, Grey
Stranding	Cores shall be laid up using the sequence of colours specified
Wrapping	Pes Tape
Screen	Al-Pes Tape + Tinned Copper Drain Wire (min. 0,5 mm ²)
Sheath	EN 50290-2-27 HFFR Compound
Sheath Colour	RAL 3000 Red Other applicable colors: RAL 2003 Orange, RAL 9005 Black, RAL 9010 White

TECHNICAL CHARACTERISTICS

Operating Voltage	Min. Bending Radius	Test Voltage		Temperature Range
		Core/Core	Core/Screen	
300/500 V	6x Cable Ø	2000V	2000 V	- 30°C - +70°C (Temp. for stationary condition) - 5°C - +50°C (Temp. for moving condition) * +90°C (Max.Permissible Operating Temperature at Conductor) ** Permissible short-circuit temperature 250 °C

FIRE PERFORMANCE TESTS

Flame Retardant	Flame Propagation	Smoke Density	Corrosiveness Combustion Gases	Halogen Free	Circuit Integrity (FE180)	Circuit Integrity With Shock (PH120)	Circuit Integrity Test (CWZ)
EN 60332-1-2	EN IEC 60332-3-24	EN 61034-2	EN 60754-2	EN 60754-1	IEC 60331-21	EN 50200	BS 6387