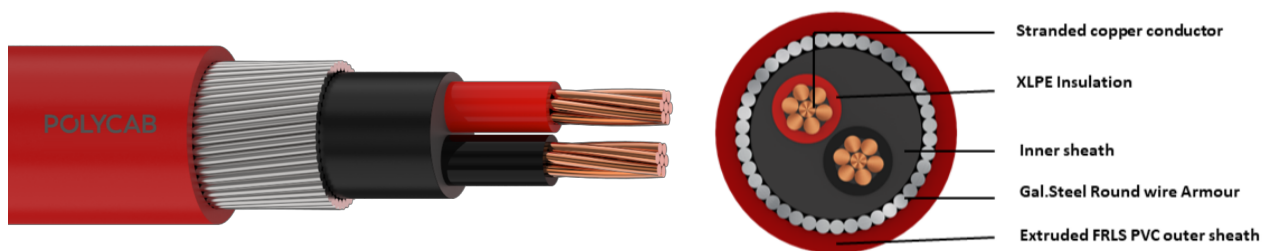


POLYCAB FIRE ALARM ARMoured CABLE

600/1000V FIRE PROTECTION FIRE ALARM ARMoured CABLE

POLYCAB
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Fire alarm cable stranded copper conductor, XLPE insulated, cores laid up, PVC Inner sheathed, GI wire armoured & FRLS PVC outer sheath twin cable is used for powering firefighting equipment's in hospital, schools, commercial complex & industries in fire security systems.

CHARACTERISTICS

Voltage Rating
600/1000 V

Operation Temperature
Max.: 90°C

Conductor temperature at short circuit
Max.: 250°C

CONSTRUCTION

- Stranded Class 2 Copper conductor as per EN 60228
- Insulated with XLPE type GP8 as per BS 7655-1.3
- Extruded inner sheath with PVC as per BS 5467
- Armoured with Galvanised Steel Round wire as per BS 5467
- Sheathed with Extruded FRLS PVC as per BS 5467

Core Identification

Red & Black
Blue, Brown, Black & Red

Outer sheath colour: Red

Bending Radius

12 x Overall diameter

OUTSTANDING FEATURES

- Flame Retardant
- Low Smoke
- Low Halogen

STANDARD FOLLOWS

BS 5467
EN 60228
BS 7655-1.3
IEC 60332-1-2

COMPLIANCE

Conductor resistance - EN 60228
Insulation resistance constant - BS 7655-1.3

OUR ACCREDITATIONS



APPROVAL



NOTES

Black with red strip colour also available on request.

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Weight & Dimension data

No. of core	Conductor cross sectional area (sqmm)	Dia over armour (mm)	Outer diameter (mm)	Weight (Approx.) Kg/KM
2	1.5	7.33	9.81	188
2	2.5	8.56	11.20	241
4	1.5	8.34	10.82	243
4	2.5	9.82	12.46	327

The above data is approximate & subject to manufacturing tolerance.

Electrical parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Insulation resistance constant (XLPE)	Dielectric strength for 1 minute (H.V Test)	Short Circuit rating of conductor for the duration of 1 sec
Sqmm	Ohm/km	MΩ.Km	kV	kA
1.5	12.1	3.67	2	0.21
2.5	7.41	3.67	2	0.36

Current Carrying capacities

Ambient temperature: 30°C				
Ground Ambient temperature: 20°C				
Conductor operating temperature: 90°C				
Conductor cross sectional area	Reference method C (clipped direct)		Reference method E (in free air or on a perforated cable tray etc, horizontal or vertical etc)	
	1 two core cable single phase ac or dc	1 three or 1 four core cable three phase ac	1 two core cable single phase ac or dc	1 three or four core cable three phase ac
Sqmm	A	A	A	A
1.5	27	23	29	25
2.5	36	31	39	33

Current rating refers to table 4E4A of BS 7671