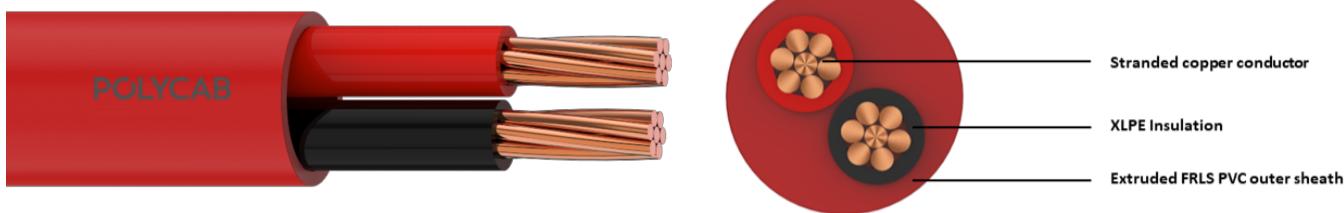


# POLY CAB FIRE ALARM UNARMOURED CABLE

## 600/1000V FIRE PROTECTION FIRE ALARM

### UNARMOURED CABLE

**POLY CAB**  
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

#### APPLICATION

POLY CAB Fire alarm cable stranded copper conductor, XLPE insulated, cores laid up & 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
- Sheathed with Extruded FRLS PVC

##### 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

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 & Electrical Data**

No.of core	Conductor cross sectional area (sqmm)	Outer diameter(mm)	Weight (Approx.) Kg/km
2	1.5	7.53	76
2	2.5	8.76	104
4	1.5	8.54	116
4	2.5	10.02	166

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	24	22	26	23
2.5	33	30	36	32