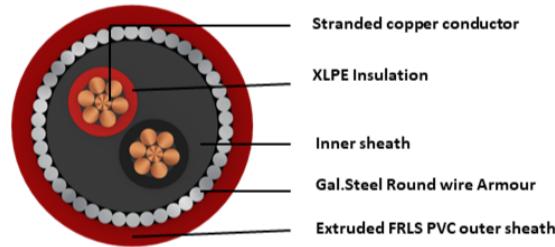


# POLY CAB FIRE ALARM ARMOURED CABLE

## 600/1000V FIRE PROTECTION FIRE ALARM ARMOURED 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, 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 Sqmm	Max. DC resistance of conductor at 20°C Plain wires Ohm/km	Insulation resistance constant (XLPE) MΩ.Km	Dielectric strength for 1 minute (H.V Test) kV	Short Circuit rating of conductor for the duration of 1 sec 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)	
Sqmm	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
1.5	27	23	29	25
2.5	36	31	39	33

Current rating refers to table 4E4A of BS 7671