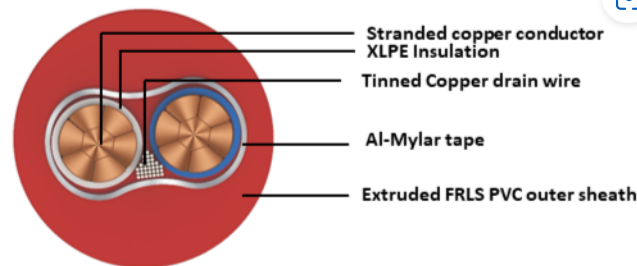
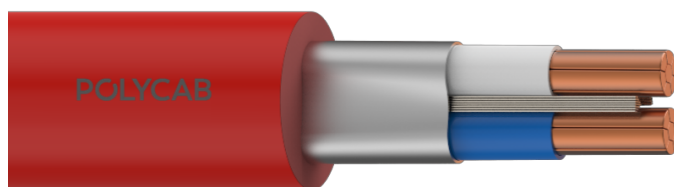


# POLYCAB FIRE ALARM SIGNAL UNARMoured CABLE

## 500V FIRE PROTECTION FIRE ALARM SHIELDED UNARMoured CABLE



Images not to scale. Follow table for dimensions

### APPLICATION

POLYCAB Fire alarm signal cable stranded copper conductor, XLPE insulated, cores twisted, shielded & FRLS PVC sheathed cable is designed to use for conveying signal from fire/smoke sensor to the firefighting equipment panels in hospital, schools commercial complex & industries for security systems.

### CHARACTERISTICS

**Voltage Rating**  
500 V

**Operation Temperature**  
Max.: XLPE 90°C

### CONSTRUCTION

- Stranded Class 2 Copper conductor as per EN 60228
- Insulated with XLPE as per EN 50288-7
- Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu
- Sheathed with Extruded FRLS PVC

**Core Identification**  
White & Blue

**Outer sheath colour:** Red

**Bending Radius**  
12 x Overall diameter

### OUTSTANDING FEATURES

- Flame Retardant
- Low Smoke
- Low Halogen

### STANDARD FOLLOWS

EN 50288-7  
EN 50288-1  
EN 60228  
EN 60332-1-2

### COMPLIANCE

Conductor resistance - EN 60228  
Insulation resistance - EN 50288-7  
L/R Ratio - EN 50288-7  
Mutual capacitance - EN 50288-7

### OUR ACCREDITATIONS



### APPROVAL



### NOTES

Black with red strip colour also available on request.

# POLYCAB FIRE ALARM SIGNAL UNARMoured CABLE

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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	7.01	70
2	2.5	8.35	99

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 (XLPE)	Mutual capacitance (XLPE)	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	MΩ/Km	nf/Km	μH/Ω
1.5	12.1	1000	< 250	< 40
2.5	7.41	1000	< 250	< 60

POLYCAB