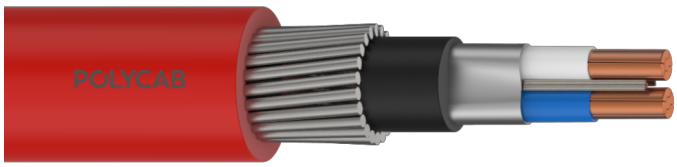
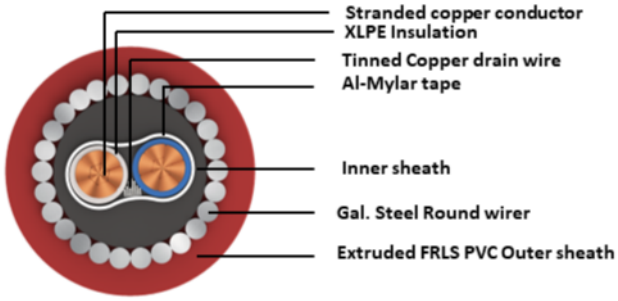
POLYCAB FIRE ALARM SIGNAL ARMOURED CABLE

500V FIRE PROTECTION FIRE ALARM SHIELDED ARMOURED CABLE





Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Fire alarm signal cable stranded copper conductor, XLPE insulated, cores twisted, shielded & armoured 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.: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
- Extruded inner sheath with PVC as per EN 50290-2-22
- Armoured with Galvanised Steel Round wire as per EN 50288-7
- 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 50290-2-22
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.

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Weight, Dimension & Electrical Data

No.of core	Conductor cross sectional area (sqmm)	Dia over armour(mm)	Outer diameter(mm)	Weight (Approx.) Kg/km
2	1.5	8.81	11.51	254
2	2.5	10.15	12.92	318

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