

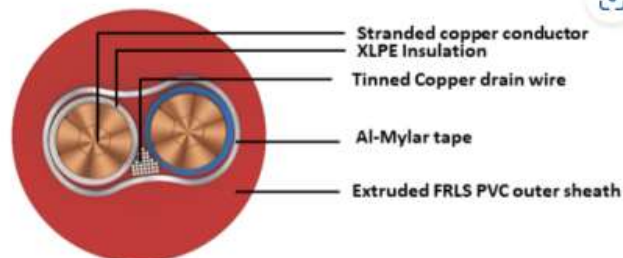
# FIRE ALARM SIGNAL CABLE

500 V

XLPE / FRLS PVC

2 CORE · 1.5 &amp; 2.5 SQMM

AL/PET COLLECTIVE SCREEN



Images not to scale. Follow table for dimensions

## APPLICATION

INDOCABLES 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.

## 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 |

## NOTES

Black with red strip colour also available on request.



## CHARACTERISTICS

|                       |                  |
|-----------------------|------------------|
| Voltage Rating        | 500 V            |
| Operation Temperature | Max. : XLPE 90°C |

## 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

**FIRE PROTECTION · FIRE ALARM SHIELDED UNARMoured CABLE · 500 V**

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**PRODUCT CODES**

| CONSTRUCTION     | INDO CABLES ITEM CODE                              | ITEM ID   |
|------------------|----------------------------------------------------|-----------|
| 2 Core 1.5 sq.mm | IC-FA-02-00150-CU-2XL-2XY-0500-EN50288P7-FRLS-OSCR | IC1006470 |
| 2 Core 2.5 sq.mm | IC-FA-02-00250-CU-2XL-2XY-0500-EN50288P7-FRLS-OSCR | IC1006471 |

Both items are **DRAFT** in the Item Master. Standard EN50288P7, designation 2XY and options FRLS / OSCR are already in the register. Line FA (fire alarm / fire protection) and voltage grade 0500 (500 V) are new values and need one row each on tab 5 REF TABLES before approval. The tinned copper drain wire cannot be carried in the code as well — the grammar allows two options only — so it is held in the item description.

**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                                 |