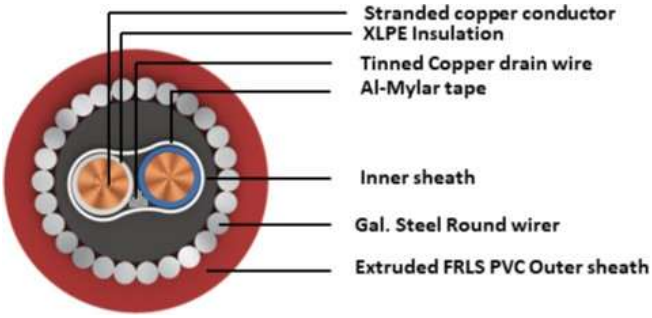
FIRE ALARM SIGNAL ARMOURED CABLE

500 V | XLPE / FRLS PVC | 2 CORE · 1.5 & 2.5 SQMM | AL/PET COLLECTIVE SCREEN | GI ROUND WIRE ARMOURED



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES 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.

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 Galvanized 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

CHARACTERISTICS

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

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

NOTES

: with red strip colour available on request.

ISO 9001 · ISI · CM/L 6200267409 · ROHS Compliant · REACH Compliant · MAKE IN INDIA Manufactured in India

PRODUCT CODES

CONSTRUCTION	INDO CABLES ITEM CODE	ITEM ID
2 Core 1.5 sq.mm	IC-FA-02-00150-CU-2XL-2XWY-0500-EN50288P7-FRLS-OSCR	IC1006472
2 Core 2.5 sq.mm	IC-FA-02-00250-CU-2XL-2XWY-0500-EN50288P7-FRLS-OSCR	IC1006473

Both items are DRAFT in the Item Master. Standard EN50288P7, designation 2XWY 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)	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

ISO 9001 Cert. 99 100 22646 (TÜV SÜD)
ISI Bureau of Indian Standards · CM/L 6200267409
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