

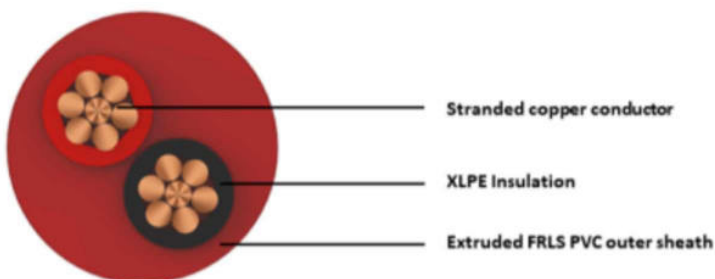
FIRE ALARM UNARMoured CABLE

600/1000 V

XLPE GP8 / FRLS PVC

2 & 4 CORE · 1.5 & 2.5 SQMM

UNARMoured



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES Fire alarm cable stranded copper conductor, XLPE insulated, cores laid up & FRLS PVC outer sheath twin cable is used for powering firefighting equipment's in hospital, schools, commercial complex & industries in fire security systems.

CONSTRUCTION

- Stranded Class 2 Copper conductor as per EN 60228
- Insulated with XLPE type GP8 as per BS 7655-1.3
- Sheathed with Extruded FRLS PVC

CORE IDENTIFICATION Red & Black · Blue, Brown, Black & Red

OUTER SHEATH COLOUR Red

BENDING RADIUS 12 x Overall diameter

NOTES

Black with red strip colour also available on request.

CHARACTERISTICS

Voltage Rating	600/1000 V
Operation Temperature	Max. : 90°C
Conductor temperature at short circuit	Max. : 250°C

OUTSTANDING FEATURES

**FLAME
RETARDANT**
**LOW
SMOKE**
**LOW
HALOGEN**

STANDARD FOLLOWS

EN 60228
BS 7655-1.3
IEC 60332-1-2

COMPLIANCE

Conductor resistance — EN 60228
Insulation resistance constant — BS 7655-1.3

FIRE PROTECTION • FIRE ALARM UNARMoured CABLE • 600/1000 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-0660-BS7655P13-FRLS	IC1006462
2 Core 2.5 sq.mm	IC-FA-02-00250-CU-2XL-2XY-0660-BS7655P13-FRLS	IC1006463
4 Core 1.5 sq.mm	IC-FA-04-00150-CU-2XL-2XY-0660-BS7655P13-FRLS	IC1006464
4 Core 2.5 sq.mm	IC-FA-04-00250-CU-2XL-2XY-0660-BS7655P13-FRLS	IC1006465

All four items are **DRAFT** in the Item Master. Codes built to the Product Code Master grammar — line FA (fire alarm / fire protection) and standard BS7655P13 are new values and need one row each on tab 5 REF TABLES before approval.

WEIGHT, DIMENSION & ELECTRICAL DATA

NO. OF CORE	CONDUCTOR CROSS SECTIONAL AREA (SQMM)	OUTER DIAMETER (MM)	WEIGHT (APPROX.) KG/KM
2	1.5	7.53	76
2	2.5	8.76	104
4	1.5	8.54	116
4	2.5	10.02	166

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 CONSTANT (XLPE)	DIELECTRIC STRENGTH FOR 1 MINUTE (H.V TEST)	SHORT CIRCUIT RATING OF CONDUCTOR FOR THE DURATION OF 1 SEC
Sqmm	Ohm/km	MΩ.Km	kV	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				
	if two core cable single phase ac or dc	if three or four core cable three phase ac	if two core cable single phase ac or dc	if three or four core cable three phase ac
Sqmm	A	A	A	A
1.5	24	22	26	23
2.5	33	30	36	32