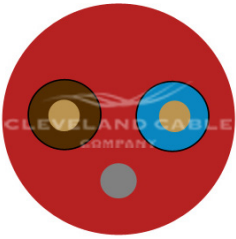


STANDARD FIRE ALARM AND SECURITY CABLES



APPLICATION

Standard fire alarm and security cable. Soft Skin Standard Fire Resistant Cables for general use in fire detection, fire alarm, voice alarm, and emergency lighting circuits.

These cables are designed to carry on working for a specific length of time under fire conditions.

'Standard' fire resistance is recommended for general use in low rise buildings up to 10 storeys.

CONSTRUCTION

Conductor:

1.5mm² - 2.5mm²: Class 1 solid conductor according to BS EN 60228

4mm²: Class 2 stranded conductor according to BS EN 60228

Insulation: Fire resistant MICA tape or fire resistant silicone rubber

Overall Screen: AL/PET (Aluminium/Polyester Tape), Circuit Protective Conductor, Tinned copper

Outer Sheath: LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

Fire Resistant to IEC 331, BS6387 & BS7629-1-2008.

Flame Retardant to BS5839-1-2003, IEC60332-3 CAT CWZ & BS7629-1-1997

Acid Gas emission to BS EN 50267, IEC 60754

Flame propagation to BS EN 50265, BS EN 50266 & IEC 60360134.

Smoke Emission to BS EN 50268, IEC 61034

Flame Propagation to BS EN 50265, BS EN 50266, IEC 60332

CHARACTERISTICS

Voltage Rating: 300/500 volts

Temperature Limits: -40°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

Outer Sheath comes in a choice of:

Red White Orange Black

E = Bare earth conductor

Core Identification:

2 Core: Brown Blue

3 Core: Brown Black Grey

4 Core: Brown Black Grey Blue

7 Core and above: Black with white numbers

Should not be installed at temperatures below 0°C or above 40°C

STANDARD FIRE ALARM AND SECURITY CABLES - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	OUTSIDE DIAMETER (MM)	GLAND SIZE (MM)	1 HOLE CLIP REF	GLAND REF
*FP2X1	1	1/1.13	2+E	90	7.5	20	28	251
FP3X1	1	1/1.13	3+E	110	8	20	30	251
FP4X1	1	1/1.13	4+E	135	8.8	20	34	251
FP7X1	1	1/1.13	7+E	170	10.5	20	40	252
FP12X1	1	1/1.13	12+E	270	13.7	25	54	254
FP2X1/5	1.5	1/1.38	2+E	110	8	20	32	251
FP3X1/5	1.5	1/1.38	3+E	130	8.4	20	34	251
FP4X1/5	1.5	1/1.38	4+E	160	9.5	20	37	251
FP7X1/5	1.5	1/1.38	7+D	230	11.3	20	43	252
FP12X1/5	1.5	1/1.38	12+D	365	15.2	25	59	254
FP19X1/5	1.5	1/1.38	19+D	540	17.8	25	67	254
FP2X2/5	2.5	1/1.78	2+E	160	9	20	34	252
FP3X2/5	2.5	1/1.78	3+E	200	10.5	20	40	252
FP4X2/5	2.5	1/1.78	4+E	250	11.7	20	43	252
FP7X2/5	2.5	1/1.78	7+D	285	13.7	20	54	252
FP12X2/5	2.5	1/1.78	12+D	470	17.9	25	67	254
FP19X2/5	2.5	1/1.78	19+D	720	21.4	32	79	255
FP2X4	4	7/0.85	2+E	260	11.3	20	43	252
FP3X4	4	7/0.85	3+E	315	12.1	25	47	254
FP4X4	4	7/0.85	4+E	380	13.3	25	54	254

E = EARTH WIRE, D = DRAIN WIRE
*OUR CURRENT STOCK OF FP2X1 IS WARRINGTON FIRE APPROVED ONLY

STANDARD FIRE ALARM AND SECURITY CABLES - DIMENSIONS

NOMINAL CROSS SECTIONAL AREA (MM ²)	CLIPPED DIRECT		IN CONDUIT OR CABLE TRAY	
	2 CORE	3 & 4 CORE	2 CORE	3 & 4 CORE
1	19	17	17	15
1.5	24	22	22	19.5
2.5	33	30	30	26
4.0	45	40	40	35

STANDARD FIRE ALARM & SECURITY CABLES – VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA (MM ²)	CLIPPED DIRECT		IN CONDUIT OR CABLE TRAY	
	2 CORE	3 & 4 CORE	2 CORE	3 & 4 CORE
1	45	39	45	39
1.5	30	26	30	26
2.5	18	15	18	15
4.0	11	10	11	10

THE ABOVE TABLE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.