



## STANDARD FIRE ALARM AND SECURITY WIRING CABLES

Plain annealed copper conductor, silicon rubber insulated aluminium/polyester tape screen, tinned annealed copper earth wire, low smoke zero halogen (LSZH) outer sheath. Red, White, Orange or Black. Fire resistant to IEC 331 and BS6387. Flame retardant to BS5839-1:2003 and IEC 60332-3 CAT CWZ, BS7629-1 1997. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265, BS EN 50266 (IEC 60332).

CCC Code	Conductor Size (mm <sup>2</sup> )	Stranding (mm)	No. Of Cores	Weight (Kg/Km)	Overall Diameter (mm)	Gland Size (mm)	1 Hole Clip Ref	Gland Ref
FP2X1	1.0	1/1.13	2+E	90	7.5	20	28	251
FP3X1	1.0	1/1.13	3+E	110	8.0	20	30	251
FP4X1	1.0	1/1.13	4+E	135	8.8	20	34	251
FP7X1	1.0	1/1.13	7+E	170	10.5	20	40	252
FP12X1	1.0	1/1.13	12+E	270	13.7	25	54	254
FP2X1/ 5	1.5	1/1.38	2+E	110	8.0	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	9.0	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	4.0	7/0.85	2+E	260	11.3	20	43	252
FP3X4	4.0	7/0.85	3+E	315	12.1	25	47	254
FP4X4	4.0	7/0.85	4+E	380	13.3	25	54	254

E = Bare earth conductor.  
D = Drain wire.

Temperature limits:  
-10 to +80°C.

\*Bending radius:  
6 x overall diameter.

Core identification:  
2 core - Red, Black.  
3 core - Red, Yellow, Blue.  
4 core - Red, Yellow, Blue, Black.  
7 core and above - White with Black numbers.

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

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

\*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.