

Firetec Tubesafe Cable



Eland Product Group: **A6FT**

APPLICATION

Firetec Tubesafe fire resistant cable is designed to be installed in metal conduit for London Underground (LUL) applications. For use in alarm and emergency lighting circuits for new installations or upgrading existing conduit systems to LUL fire performance standards.

CONSTRUCTION

Conductor

Class 2 stranded annealed copper conductor according to BS EN 60228 (previously 6360)

Separator

Mica/glass fire barrier tape

Insulation

LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

LUL 1-085

BS 6387 C, W, Z, BS EN/IEC 60228, BS EN/IEC 60754, BS EN/IEC 61034, BS EN/IEC 60332, BS EN/IEC 60332-21, BS EN 50200 PH120, BS 8434-2



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

600/1000V

Operating Temperature

-10°C to +90°C

Minimum Bending Radius

6 x overall diameter

Insulation Colour

● Brown ● Blue ● Black ● Grey ● Red
● Orange ● Yellow ● Green/Yellow

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A6FT10005**	1	0.5	2.8	14
A6FT10075**	1	0.75	3	17.5
A6FT1010**	1	1	3.2	21
A6FT1015**	1	1.5	3.5	26
A6FT1025**	1	2.5	4.1	38
A6FT1040**	1	4	4.6	54
A6FT1060**	1	6	5.1	75
A6FT1010**	1	10	6.7	124
A6FT1016**	1	16	7.6	183
A6FT1025**	1	25	9.4	285
A6FT1035**	1	35	11	382
A6FT1050**	1	50	12.4	520
A6FT1070**	1	70	14.2	717
A6FT1095**	1	95	16.5	992
A6FT1120**	1	120	18.1	1228
A6FT1150**	1	150	20.3	1522
A6FT1185**	1	185	21.1	1880
A6FT1240**	1	240	26.2	2492

Eland Part No. shown above designate the sheath colour (). For each colour substitute * for a colour code as listed below. e.g. A6FT10005RD = 0.5mm² Red

Colour Codes

COLOUR	Black	Blue	Grey	Green/Yellow	Red	Yellow	Brown	Orange
CODE	BK	BL	GR	GY	RD	YW	BR	OR

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	36
0.75	24.5
1	18.1
1.5	12.1
2.5	7.41
4	4.61
6	3.08
10	1.83
16	1.15
25	0.727
35	0.524
50	0.387
70	0.268
95	0.193
120	0.153
150	0.124
185	0.0991
240	0.0754