

Tube Safe



The stringent fire performance standards developed by London Underground are well known throughout the world. Designed to ensure an unprecedented level of fire safety and derived from many years of experience. AEI's material scientists have developed a special grade of cross linked halogen free polymeric insulation compound to offer all the proven advantages of AEI's standard Firetec single core range, with the addition of full compliance with LUL 1-085.

Description	Tubesafe single core cables are fire resistant single core cables designed to be installed in a metal conduit. For use in any circuits where circuit integrity is a requirement, these cables are insulated with specially developed abrasion resistant elastomeric compound designed to comply with the onerous requirements of LUL 1-085 and installation in Section 12 premises
Construction	Stranded plain annealed copper conductors
	Mica/glass fire barrier tape
	Special elastomeric insulation
Operating Temperature	-10°C to +90°C
Minimum bend	6 x overall diameter
Core colours	Bn, Be, Bk, Rd, Gy, Oe, Yw, Pk, Vt, We, Gn/Yw
	Other colours to special order
Lengths	100 or 500 metre reel
	Other lengths to special order
Circuit integrity Test	IEC 60331-3, 950°C, 600/1000V
Flame propagation	BS EN 60332-1-2
	BS EN 60332-3-25
Smoke emission	BS EN 61034
Emissions	BS EN 60754-1
Manufacturing Standard	AEI FT1, Type EI5 insulation
Special notes	Methods of cable support should withstand the same temperature and duration to that of the cable





FIRETEC TUBESAFE

Specification: Single Core Fire Resistant Conduit Wiring meeting LU 1-085 APR3360

Voltage Rating: 0.6/1.0 kV

Description: Stranded plain copper conductors, Fire barrier tape, LSZH insulation

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating (Enclosed in Conduit)		Voltage Drop (Enclosed in Conduit)			Maximum dc Conductor Resistance@ 20°C	Nominal Overall Diameter	Nominal Weight
	Single Phase ac or dc	Three Phase ac	dc	Single Phase ac	Three Phase ac			
no x mm ²	Amps	Amps	mV/A/M	mV/A/M	mV/A/M	Ω/Km	mm	Kg/Km
1 x 0.50	7.50	6.50	93.00	93.00	80.00	36.00	2.80	14.00
1 x 0.75	11.50	10.00	62.00	62.00	54.00	24.50	3.00	17.50
1 x 1.00	17.00	15.00	46.00	46.00	40.00	18.10	3.20	21.0
1 x 1.50	22.00	19.00	31.00	31.00	27.00	12.10	3.50	26.00
1 x 2.50	30.00	26.00	19.00	19.00	16.00	7.41	4.10	38.00
1 x 4.00	40.00	35.00	12.00	12.00	10.00	4.61	4.60	54.00
1 x 6.00	51.00	45.00	7.90	7.90	6.80	3.08	5.10	75.00
1 x 10.00	71.00	63.00	4.70	4.70	4.00	1.83	6.70	124.00
1 x 16.00	95.00	85.00	2.90	2.90	2.50	1.15	7.60	183.00
1 x 25.00	126.00	111.00	1.85	1.90	1.65	0.727	9.40	285.00
1 x 35.00	156.00	138.00	1.35	1.35	1.15	0.524	11.00	382.00
1 x 50.00	189.00	168.00	0.99	1.05	0.90	0.387	12.40	520.00
1 x 70.00	240.00	214.00	0.68	0.75	0.65	0.268	14.20	717.00
1 x 95.00	290.00	259.00	0.49	0.58	0.50	0.193	16.50	992.00
1 x 120.00	336.00	299.00	0.39	0.48	0.42	0.153	18.10	1228.00
1 x 150.00	375.00	328.00	0.32	0.43	0.37	0.124	20.30	1522.00
1 x 185.00	426.00	370.00	0.25	0.37	0.32	0.0991	21.10	1880.00
1 x 240.00	500.00	433.00	0.19	0.33	0.29	0.0754	26.20	2492.00
1 x 300.00	573.00	493.00	0.16	0.31	0.27	0.0601	28.60	3089.00

General Note

AEI Cables reserves the right to amend the product information without notice or liability. The information is considered accurate at the time of going to print.

