

G4727 LFH Armoured Cable (London Underground)



APPLICATION

Limited fire hazard armoured cable intended for use on NON-Safety critical low voltage AC systems.

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Temperature Rating
-15°C to +90°C

Minimum Bending Radius
8 x overall diameter

CONSTRUCTION

Conductor
Class 2 Stranded plain copper conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Bedding
LFH (Limited Fire Hazard)

Armour
SWA (Steel Wire Armour)

Sheath
LFH (Limited Fire Hazard)

Core Identification
2 Core: ● Brown ● Blue
3 Core: ● Brown ● Black ● Grey
4 Core: ● Brown ● Black ● Grey ● Blue

Sheath Colour
● Black

CABLE THIRD-PARTY ACCREDITATION



Cables are tested and accredited by BASEC, The British Approvals Service for Cables



London Underground Limited (LUL) certified and listed on the Approved Products Register as meeting the requirements for installation within their network

STANDARDS

G4727, LUL

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



SCIENCE
BASED
TARGETS

BUSINESS
AMBIITION FOR 1.5°C



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9SWA2025LUL	2	2.5*	7.41	12.2	323
A9SWA2040LUL	2	4*	4.61	13.3	387
A9SWA2060LUL	2	6*	3.08	14.4	460
A9SWA210LUL	2	10*	1.83	16.1	611
A9SWA216LUL	2	16*	1.15	18.7	904
A9SWA225LUL	2	25	0.727	21	1050
A9SWA235LUL	2	35	0.524	22	1450
A9SWA250LUL	2	50	0.387	24	1800
A9SWA270LUL	2	70	0.268	27	2300
A9SWA295LUL	2	95	0.193	32	3250
A9SWA2120LUL	2	120	0.153	35	3950
A9SWA2150LUL	2	150	0.124	38	4650
A9SWA2185LUL	2	185	0.0991	43	6050
A9SWA2240LUL	2	240	0.0754	49	7500
A9SWA2300LUL	2	300	0.0601	54	9050
A9SWA3025LUL	3	2.5*	7.41	12.1	335
A9SWA3040LUL	3	4*	4.61	13.3	430
A9SWA3060LUL	3	6*	3.08	14.4	523
A9SWA310LUL	3	10*	1.83	17	811
A9SWA316LUL	3	16*	1.15	19.3	1072
A9SWA325UL	3	25	0.727	24	1750
A9SWA335UL	3	35	0.524	27	2000
A9SWA350LUL	3	50	0.387	28	2450
A9SWA370LUL	3	70	0.268	32	3250
A9SWA395LUL	3	95	0.193	36	4500
A9SWA3120LUL	3	120	0.153	40	5350
A9SWA3150LUL	3	150	0.124	44	6900
A9SWA3185LUL	3	185	0.0991	49	8200
A9SWA3240LUL	3	240	0.0754	56	10350
A9SWA3300LUL	3	300	0.0601	62	12600
A9SWA4025LUL	4	2.5*	7.41	13.6	406
A9SWA4040LUL	4	4*	4.61	14.9	505
A9SWA4060LUL	4	6*	3.08	17.1	737
A9SWA410LUL	4	10*	1.83	18.9	969
A9SWA416LUL	4	16*	1.15	21.5	1303
A9SWA425UL	4	25	0.727	27	2100
A9SWA435UL	4	35	0.524	29	2450
A9SWA450LUL	4	50	0.387	32	3100
A9SWA470LUL	4	70	0.268	37	4400
A9SWA495LUL	4	95	0.193	41	5650
A9SWA4120LUL	4	120	0.153	46	7300
A9SWA4150LUL	4	150	0.124	51	8700
A9SWA4185LUL	4	185	0.0991	55	10450
A9SWA4240LUL	4	240	0.0754	63	13250
A9SWA4300LUL	4	300	0.0601	68	16100

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps			VOLTAGE DROP mV/A/M		
	Laid Direct	In Ducts	In Air	DC	Single Phase AC	Three Phase AC
2 Core						
2.5*	49	41	41	19	19	-
4*	65	53	55	12	12	-
6*	81	67	70	7.9	7.9	-
10*	109	89	95	4.7	4.7	-
16*	141	115	126	2.9	2.9	-
25	183	148	164	1.85	1.9	-
35	219	178	202	1.35	1.35	-
50	259	211	244	0.98	1	-
70	317	260	306	0.67	0.69	-
95	381	313	378	0.49	0.52	-
120	433	357	437	0.39	0.42	-
150	485	401	499	0.31	0.35	-
185	547	455	576	0.25	0.29	-
240	632	527	680	0.195	0.24	-
300	708	592	775	0.155	0.21	-
2 Core						
2.5*	42	34	35	-	-	16
4*	55	45	47	-	-	10
6*	69	56	59	-	-	6.8
10*	92	75	82	-	-	4
16*	119	96	107	-	-	2.5
25	152	124	140	-	-	1.65
35	182	149	172	-	-	1.15
50	217	177	209	-	-	0.87
70	266	218	263	-	-	0.6
95	319	263	324	-	-	0.45
120	363	300	376	-	-	0.37
150	406	338	430	-	-	0.3
185	458	382	495	-	-	0.26
240	529	442	584	-	-	0.21
300	592	496	666	-	-	0.185

*Circular conductor

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.