LSZH Signalling Type D1 Cable (London Underground)

APPLICATION

A LSZH single core signalling cable for use in tunnels and enclosed spaces.

CHARACTERISTICS

Voltage Rating Uo/U
0.65/1.1kV

Temperature Rating
-15°C to +85°C

Minimum Bending Radius
Up to 10mm: 2 x overall diameter
10 - 25mm: 3 x overall diameter

CONSTRUCTION

Conductor
Class 1 Solid or Class 5 stranded tinned copper conductor

Insulation
EPR (Ethylene Propylene Rubber)

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
● Black

Sheath Colour
● Black

CABLE THIRD-PARTY ACCREDITATION

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

STANDARDS

G 7250 D1, LUL 1-085

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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

REGULATORY COMPLIANCE

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

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technical**specification** | 1 of 2

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
G7250D1-1X0.6	1	0.6	1	0.85	33.2	6.4	70
G7250D1-1X1	1	1	1	1.13	18.2	6.7	-
G7250D1-1X1.85	1	1.85	1	1.53	9.96	7.1	-
G7250D1-1X2.5	1	2.5	7	0.67	7.56	8	-
G7250D1-1X4	1	4	7	0.85	4.7	8.9	-
G7250D1-1X6	1	6	7	1.04	3.11	9.5	-
G7250D1-1X10	1	10	7	1.35	1.84	10.5	-
G7250D1-1X16	1	16	7	1.7	1.16	11.6	275
G7250D1-1X25	1	25	7	2.14	0.73	13.3	-
G7250D1-1X35	1	35	19	1.53	0.53	14.5	-
G7250D1-1X50	1	50	19	1.78	0.39	16.2	-
G7250D1-1X70	1	70	19	2.14	0.27	18	-
G7250D1-1X95	1	95	19	2.52	0.195	20.3	-
G7250D1-1X120	1	120	37	2.03	0.154	22	-
G7250D1-1X150	1	150	37	2.25	0.126	23.9	1710

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