



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

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	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

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.