

LSZH Signalling Type D1 Cable (London Underground)



Eland Product Group:

APPLICATION

A LSZH single core signalling cable.

CONSTRUCTION

Conductor

Class 1 Solid or Class 5 stranded tinned copper conductor

Insulation

EPR (Ethylene Propylene Rubber)

Sheath

LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

G 7250 Type D1, 1-085 (Emissions and Flame Propagation),
BS EN 60228, LUL Approved



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)

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

Core Identification

● Black

Sheath Colour

● Black

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