

LSZH Screened Signalling Type D2 Cable (London Underground)



APPLICATION

Twin and multi-core screened signalling cables.

CHARACTERISTICS

Voltage Rating Uo/U
0.65/1.1kV

Temperature Rating
-15°C to +85°C

Minimum Bending Radius
6 x overall diameter

CONSTRUCTION

Conductor
Class 1 solid or Class 5 stranded tinned copper conductor

Insulation
EPR (Ethylene Propylene Rubber)

Screen
Aluminium taped spiral screen

Drain Wires
Tinned copper

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, 1-085 (Emissions and Flame Propagation),
BS EN 60228

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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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[®].





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
G7250D2-1X0.6	1	0.6	1	0.85	33.2	8.4	70
G7250D2-1X1	1	1	1	1.13	18.2	9	80
G7250D2-1X1.85	1	1.85	1	1.53	9.96	9.9	-
G7250D2-1X2.5	1	2.5	7	0.67	7.56	11.8	-
G7250D2-1X4	1	4	7	0.85	4.7	13.8	-
G7250D2-1X6	1	6	7	1.04	3.11	15.1	-
G7250D2-1X10	1	10	7	1.35	1.84	17.1	-
G7250D2-2X0.6	2	0.6	1	0.85	33.2	8.2	105
G7250D2-2X1	2	1	1	1.13	18.2	8.7	115
G7250D2-2X1.85	2	1.85	1	1.53	9.96	9.6	150
G7250D2-2X2.5	2	2.5	7	0.67	7.56	11.3	210
G7250D2-2X4	2	4	7	0.85	4.7	13	280
G7250D2-2X6	2	6	7	1.04	3.11	14.1	-
G7250D2-2X10	2	10	7	1.35	1.84	15.8	-
G7250D2-2X16	2	16	7	1.7	1.16	17.8	640
G7250D2-2X25	2	25	7	2.14	0.73	21.1	-
G7250D2-2X35	2	35	19	1.53	0.53	23.8	-
G7250D2-2X50	2	50	19	1.78	0.39	27	-
G7250D2-2X70	2	70	19	2.14	0.27	30.8	-
G7250D2-2X95	2	95	19	2.52	0.195	35.6	-
G7250D2-2X120	2	120	37	2.03	0.154	39.1	-
G7250D2-2X150	2	150	37	2.25	0.126	43.1	4210
G7250D2-4X0.6	4	0.6	1	0.85	33.2	9	-
G7250D2-4X1	4	1	1	1.13	18.2	9.6	150
G7250D2-4X1.5	4	1.85	1	1.53	9.96	10.6	215
G7250D2-4X2.5	4	2.5	7	0.67	7.56	12.7	-
G7250D2-4X4	4	4	7	0.85	4.7	15	-
G7250D2-4X6	4	6	7	1.04	3.11	16.4	475
G7250D2-4X10	4	10	7	1.35	1.84	18.6	700
G7250D2-5X0.6	5	0.6	1	0.85	33.2	9.5	-
G7250D2-5X1	5	1	1	1.13	18.2	10.3	-
G7250D2-5X1.85	5	1.85	1	1.53	9.96	11.4	-
G7250D2-5X2.5	5	2.5	7	0.67	7.56	13.8	-
G7250D2-5X4	5	4	7	0.85	4.7	16.3	-
G7250D2-5X6	5	6	7	1.04	3.11	17.8	-
G7250D2-5X10	5	10	7	1.35	1.84	20.3	-
G7250D2-6X0.6	6	0.6	1	0.85	33.2	10.2	-
G7250D2-6X1	6	1	1	1.13	18.2	11	190
G7250D2-6X1.85	6	1.85	1	1.53	9.96	12.2	275
G7250D2-6X2.5	6	2.5	7	0.67	7.56	14.8	-
G7250D2-6X4	6	4	7	0.85	4.7	17.7	540
G7250D2-6X6	6	6	7	1.04	3.11	19.4	760
G7250D2-6X10	6	10	7	1.35	1.84	22.6	740
G7250D2-7X0.6	7	0.6	1	0.85	33.2	10.2	-
G7250D2-7X1	7	1	1	1.13	18.2	11	-
G7250D2-7X1.85	7	1.85	1	1.53	9.96	12.2	-
G7250D2-7X2.5	7	2.5	7	0.67	7.56	14.8	-
G7250D2-7X4	7	4	7	0.85	4.7	17.7	-
G7250D2-7X6	7	6	7	1.04	3.11	19.4	-



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ELAND
CABLES

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
G7250D2-7X10	7	10	7	1.35	1.84	22.6	-
G7250D2-10X0.6	10	0.6	1	0.85	33.2	12.2	-
G7250D2-10X1	10	1	1	1.13	18.2	13.3	115
G7250D2-10X1.85	10	1.85	1	1.53	9.96	14.9	385
G7250D2-10X2.5	10	2.5	7	0.67	7.56	18.4	-
G7250D2-10X4	10	4	7	0.85	4.7	22.2	845
G7250D2-10X6	10	6	7	1.04	3.11	24.9	1100
G7250D2-10X10	10	10	7	1.35	1.84	29	1630
G7250D2-12X0.6	12	0.6	1	0.85	33.2	12.5	-
G7250D2-12X1	12	1	1	1.13	18.2	13.7	-
G7250D2-12X1.85	12	1.85	1	1.53	9.96	15.4	290
G7250D2-12X2.5	12	2.5	7	0.67	7.56	19	-
G7250D2-12X4	12	4	7	0.85	4.7	23.3	-
G7250D2-12X6	12	6	7	1.04	3.11	25.7	-
G7250D2-12X10	12	10	7	1.35	1.84	30	-
G7250D2-16X0.6	16	0.6	1	0.85	33.2	13.6	-
G7250D2-16X1	16	1	1	1.13	18.2	15	-
G7250D2-16X1.85	16	1.85	1	1.53	9.96	16.8	530
G7250D2-16X2.5	16	2.5	7	0.67	7.56	21	-
G7250D2-16X4	16	4	7	0.85	4.7	25.8	-
G7250D2-16X6	16	6	7	1.04	3.11	28.9	-
G7250D2-16X10	16	10	7	1.35	1.84	33.6	-
G7250D2-19X0.6	19	0.6	1	0.85	33.2	14.3	-
G7250D2-19X1	19	1	1	1.13	18.2	15.7	-
G7250D2-19X1.85	19	1.85	1	1.53	9.96	17.7	600
G7250D2-19X2.5	19	2.5	7	0.67	7.56	22.1	-
G7250D2-19X4	19	4	7	0.85	4.7	27.2	-
G7250D2-19X6	19	6	7	1.04	3.11	30.4	-
G7250D2-19X10	19	10	7	1.35	1.84	35.5	2775
G7250D2-24X0.6	24	0.6	1	0.85	33.2	16.3	-
G7250D2-24X1	24	1	1	1.13	18.2	18	-
G7250D2-24X1.85	24	1.85	1	1.53	9.96	20.8	-
G7250D2-24X2.5	24	2.5	7	0.67	7.56	26.1	-
G7250D2-27X0.6	27	0.6	1	0.85	33.2	16.6	-
G7250D2-27X1	27	1	1	1.13	18.2	18.4	-
G7250D2-27X1.85	27	1.85	1	1.53	9.96	21.2	875
G7250D2-27X2.5	27	2.5	7	0.67	7.56	26.6	-
G7250D2-30X0.6	30	0.6	1	0.85	33.2	17.2	-
G7250D2-30X1	30	1	1	1.13	18.2	19	-
G7250D2-30X1.85	30	1.85	1	1.53	9.96	21.9	-
G7250D2-30X2.5	30	2.5	7	0.67	7.56	28	-
G7250D2-33X0.6	33	0.6	1	0.85	33.2	17.7	-
G7250D2-33X1	33	1	1	1.13	18.2	20	-
G7250D2-33X	33	1.85	1	1.53	9.96	22.7	-
G7250D2-33X	33	2.5	7	0.67	7.56	29	-
G7250D2-37X	37	0.6	1	0.85	33.2	18.4	-
G7250D2-37X	37	1	1	1.13	18.2	20.7	-
G7250D2-37X	37	1.85	1	1.53	9.96	23.9	1115
G7250D2-37X	37	2.5	7	0.67	7.56	30.1	-



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G7250D2-40X	40	0.6	1	0.85	33.2	19.5	-
G7250D2-40X	40	1	1	1.13	18.2	21.5	-
G7250D2-40X	40	1.85	1	1.53	9.96	24.9	-
G7250D2-40X	40	2.5	7	0.67	7.56	31.3	-
G7250D2-44X	44	0.6	1	0.85	33.2	20.8	-
G7250D2-44X	44	1	1	1.13	18.2	23	-
G7250D2-44X	44	1.85	1	1.53	9.96	26.6	-
G7250D2-44X	44	2.5	7	0.67	7.56	34.1	-
G7250D2-48X	48	0.6	1	0.85	33.2	21.1	-
G7250D2-48X	48	1	1	1.13	18.2	23.4	870
G7250D2-48X	48	1.85	1	1.53	9.96	27.1	-
G7250D2-48X	48	2.5	7	0.67	7.56	34.7	-
G7250D2-52X	52	0.6	1	0.85	33.2	21.7	-
G7250D2-52X	52	1	1	1.13	18.2	24.4	-
G7250D2-52X	52	1.85	1	1.53	9.96	27.8	-
G7250D2-52X	52	2.5	7	0.67	7.56	35.6	-
G7250D2-56X	56	0.6	1	0.85	33.2	22.2	-
G7250D2-56X	56	1	1	1.13	18.2	25.1	-
G7250D2-56X	56	1.85	1	1.53	9.96	28.6	-
G7250D2-56X	56	2.5	7	0.67	7.56	36.6	-
G7250D2-61X	61	0.6	1	0.85	33.2	22.9	-
G7250D2-61X	61	1	1	1.13	18.2	25.8	-
G7250D2-61X	61	1.85	1	1.53	9.96	29.8	-
G7250D2-61X	61	2.5	7	0.67	7.56	38.1	2350

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.