

Copper Split Concentric BS 7870 LSZH Cable



Eland Product Group: A1S

APPLICATION

Used by distribution network operators (DNO's) when providing the final connection to domestic properties. Also suitable for sub main distribution and particularly used within high-rise buildings and street lighting systems.

CHARACTERISTICS

Voltage Rating (Uo/U)
0.6/1kV

Temperature Rating
-15°C to +70°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper

Insulation
XLPE (Cross-Linked Polyethylene)

Neutral Conductor
Plain copper wires covered by a blue polymeric compound

Earth Continuity Conductor
Plain copper wires

String Separator
Non-hydroscopic separator

Sheath
LSZH (Low Smoke Zero Halogen)

Sheath Colour
● Black

STANDARDS

Generally to BS 7870-3-21, EN 60228

Flame Retardant according to IEC/EN 60332-1-2

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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



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	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A1S/321C/1040L	1	4	1.4	11	230
A1S/321C/116L	1	16	1.4	16	620
A1S/321C/125L	1	25	1.5	19	855
A1S/321C/135L	1	35	1.6	23	1220

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY Amps		
		In Air	Clipped Direct	Enclosed in Conduit on a Wall
4	4.61	42	41	37
16	1.15	100	99	88
25	0.727	129	120	110
35	0.524	135	130	117

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C