Copper Split Concentric BS 7870 PVC 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
8 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper conductor

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
PVC (Polyvinyl Chloride)

Sheath Colour
● Black

STANDARDS

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 Reglation 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 mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A1S/321C/1040	1	4	10	190
A1S/321C/116	1	16	14	530
A1S/321C/125	1	25	16	710
A1S/321C/335	3	35	28.5	1900

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
		Plain Wires	Metal-Coated Wires
4	4.61	4.8	4.8
16	1.15	1.2	1.2
25	0.727	0.76	1.2
35	0.524	0.55	0.76

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY Amps		
	In Air	Clipped Direct	Enclosed in Conduit on a Wall
4	42	41	37
16	100	99	88
25	129	120	110
35	135	130	117

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C

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