Copper Split Concentric BS 7870 LSZH Cable

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 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
LSZH (Low Smoke Zero Halogen)

Sheath Colour
• Black

STANDARDS
BS EN 60228, Generally to BS 7870-3-21
Flame Retardant according to BS EN/IEC 60332-1-2

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

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>NOMINAL THICKNESS OF SHEATH mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1S/321C/1040L</td>
<td>1</td>
<td>4</td>
<td>1.4</td>
<td>11</td>
<td>230</td>
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<tr>
<td>A1S/321C/116L</td>
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<td>1.4</td>
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<td>620</td>
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<td>A1S/321C/125L</td>
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<td>1.5</td>
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<tr>
<td>A1S/321C/135L</td>
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<td>35</td>
<td>1.6</td>
<td>23</td>
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## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
<th>CURRENT CARRYING CAPACITY Amps</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>In Air</td>
<td>Clipped Direct</td>
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<tr>
<td>4</td>
<td>4.61</td>
<td>37</td>
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<td>16</td>
<td>1.15</td>
<td>89</td>
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<td>25</td>
<td>0.727</td>
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<tr>
<td>35</td>
<td>0.524</td>
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Conductor Operating Temperature: 90°C  
Ambient Temperature: 30°C