KNX/EIB Cable

Eland Product Group: A8P

APPLICATION
For use in bus systems (EIB - European Installation Bus) and as ICA cable in power installations. Laying in/on plaster, even in moist and wet rooms. Not approved for power and underground installation.

CONSTRUCTION
Conductor
Solid, bare copper wire conductor

Insulation
LSZH (Low Smoke Zero Halogen)

Tape
Plastic foil

Screen
Aluminium/Polyester tape (Al/PET)

Drain Wire
Tinned copper wire

Sheath
LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS
BS EN 50090, BS EN 50090-2-2, CEI-EN 60669-2-1, BS EN/IEC 60332-1, BS EN 50396

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
Test Rating
300V

Test Voltage
4 kV

Minimum Bending Radius
Fixed: 7.5 x overall diameter

Temperature Range
Fixed: - 30°C to + 70°C

Core Identification
● Red ● Black ● Yellow ○ White

Sheath Colour
● Green
### DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF PAIRS</th>
<th>DIAMETER OF CONDUCTOR mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>A8P-KNX2PLSZH</td>
<td>2 Pair (Quad)</td>
<td>0.8</td>
<td>6.2</td>
<td>64</td>
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### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>MAXIMUM (CONDUCTOR) LOOP RESISTANCE Ω/km</th>
<th>MINIMUM INSULATION RESISTANCE AT 20°C MΩ x km</th>
<th>MAXIMUM CAPACITANCE UNBALANCE C₁ pF/100m</th>
<th>MAXIMUM MUTUAL CAPACITANCE nF/km</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>73.2</td>
<td>100</td>
<td>200</td>
<td>100</td>
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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.