9841 - LSZH 300V Alternative Cable

Eland Product Group: A3B

APPLICATION
9841 LSZH Alternative cable is a 24 AWG low capacitance cable with a high level of screening. Provides interference free, high speed data transmission suitable for RS485 applications. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

CONSTRUCTION

Conductor
Class 2 stranded tinned copper conductor

Inner Sheath
PE (Polyethylene)

Screen
Aluminium polyester foil

Drain Wire
Tinned copper

Braid
TCWB (Tinned Copper Wire Braid)

Sheath
LSZH (Low Smoke Zero Halogen)

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
Fixed: -20°C to +70°C

Core Identification
Pair 1: Blue/White  White/Blue

Sheath Colour
Grey

DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF PAIRS</th>
<th>AWG (NO. OF STRANDS)</th>
<th>NOMINAL DIAMETER OF STRANDS mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3B9841LSZHGR</td>
<td>1</td>
<td>AWG24(7)</td>
<td>0.2</td>
<td>5.9</td>
<td>54</td>
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</tbody>
</table>

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>VELOCITY PROPAGATION %</th>
<th>IMPEDANCE ohms</th>
<th>CAPACITANCE AT pF/m</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>66</td>
<td>120</td>
<td>75.46</td>
<td>84.6</td>
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</table>

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.