9842 - LSZH 600V Alternative Cable

**APPLICATION**

9842 - 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**
  - HDPE (High Density Polyethylene)
- **Screen**
  - Aluminium polyester foil
- **Drain Wire**
  - Tinned copper
- **Braid**
  - TCWB (Tinned Copper Wire Braid)
- **Sheath**
  - LSZH (Low Smoke Zero Halogen)

**CHARACTERISTICS**

- **Voltage Rating**
  - 600V
- **Temperature Rating**
  - Fixed: -20°C to +70°C
- **Core Identification**
  - Pair 1: Blue/White, White/Blue
  - Pair 2: Orange/White, White/Orange
- **Sheath Colour**
  - As requested

**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>A3B9842NH600V</td>
<td>2</td>
<td>AWG24(7)</td>
<td>0.2</td>
<td>8.65</td>
<td>92</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
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</thead>
<tbody>
<tr>
<td>A3B9842NH600V</td>
<td>86.2</td>
</tr>
</tbody>
</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.