9841 PVC - LSF Alternative Cable

**APPLICATION**

9841 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.

**CHARACTERISTICS**

**Voltage Rating**
300V

**Temperature Rating**
Fixed: -20°C to +80°C

**CONSTRUCTION**

**Conductor**
Class 2 stranded tinned copper conductor

**Insulation**
PE (Polyethylene)

**Screen**
Stranded Tinned copper

**Drain Wire**
Tinned copper

**Braid**
TCWB (Tinned Copper Wire Braid)

**Sheath**
PVC-LSF (Polyvinyl Chloride-Low Smoke Fume)

**Core Identification**
Pair 1: Blue/White White/Blue

**Sheath Colour**
Grey

**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 Low Voltage Directive 2014/35/EU and 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 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>A3B9841LSFGR</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>CAPACITANCE AT 1kHz pF/m</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20ºC ohms/km</th>
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<tbody>
<tr>
<td>41.9</td>
<td>94.1</td>
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