9941 300V LSZH Alternative Cable

Eland Product Group: A3B

APPLICATION
The 9941 Alternative cable is used for high data rates for RS232 and RS422 applications for use over extended distances.

CHARACTERISTICS
Voltage Rating
300V

Temperature Rating
+70°C

CONSTRUCTION
Conductor
Stranded tinned copper conductor

Insulation
FR-PVC (Flame-retardant-Polyvinyl Chloride)

Braid
TCWB (Tinned copper braid shield)

Shield
Aluminium Foil

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
⚫ Black ⚪ White ● Red ● Green ● Brown

Sheath Colour
⚫ Grey

DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>AWG (NO. OF STRANDS)</th>
<th>NOMINAL DIAMETER OF STRANDS mm</th>
<th>NOMINAL DIAMETER OF INSULATION mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3B9941LSZH300V</td>
<td>5</td>
<td>AWG18(7)</td>
<td>0.254</td>
<td>1.30</td>
<td>5.85</td>
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</tbody>
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ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>MINIMUM DC INSULATION RESISTANCE AT 20°C Mohms/m</th>
<th>MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/100m</th>
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<tbody>
<tr>
<td>&gt;200</td>
<td>&lt;5.84</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.

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™.