Veriflex® DeviceNet Thin LSZH Cable

Eland Product Group: VBU

APPLICATION
Veriflex® DeviceNet cable suitable for fixed and occasional flexing indoor applications in CAN technologies. LSZH (Low Smoke Zero Halogen) sheath. The accurate construction and the high shielding efficiency guarantee excellent transmissive performances in environments particularly polluted by electromagnetic interferences. Connects industrial devices, motor starters and PLCs.

CHARACTERISTICS
Voltage Rating
125V

Temperature Rating
Fixed: -20°C to +80°C
Flexed: -5°C to +50°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION
Conductor
Data Pair: Class 2 Stranded tinned copper
Power Pair: Class 2 Stranded tinned copper

Insulation
Pair 1 - Data: Foam-skin PE (Polyethylene)
Pair 2 - Power: Solid PE (Polyethylene)

Shield
Al/PET (Aluminium/Polyester Tape)

Drain Wire
Tinned copper - 24AWG

Overall Shield
TCWB (Tinned Copper Wire Braid)

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
Pair 1: ○ White ● Blue
Pair 2: ● Black ● Red

Sheath Colour
● Violet

BSI KITEMARK™ TESTED
Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™.

STANDARDS
BS EN/IEC 61034-1/2, IEC 60754-1
Flame Retardant according to BS EN/IEC 60332-1

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 is compliant with European Regulation EN 50575, the Construction Products Regulation.

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>NOMINAL CROSS SECTIONAL AREA ( \text{mm}^2 )</th>
<th>CONDUCTOR AWG</th>
<th>NOMINAL DIAMETER OF OUTER SHEATH ( \text{mm} )</th>
<th>NOMINAL WEIGHT ( \text{kg/km} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBUDNT04G5LSV10</td>
<td>0.25</td>
<td>0.35</td>
<td>24/19</td>
<td>22/19</td>
</tr>
</tbody>
</table>

### ELECTRICAL CHARACTERISTICS AT 20°C

<table>
<thead>
<tr>
<th>DC CONDUCTOR RESISTANCE ( \Omega/\text{km} )</th>
<th>CAPACITANCE AT 800 HZ DATA PAIR ( \text{nF/km} )</th>
<th>IMPEDANCE ( \geq 1 \text{ MHz} ) DATA PAIR ( \Omega )</th>
<th>ATTENUATION DATA PAIR ( \text{dB/100m} )</th>
<th>DIELECTRIC STRENGTH ( \text{kVac} / \text{1 min} )</th>
<th>MINIMUM INSULATION RESISTANCE ( G\Omega\times \text{km} )</th>
<th>TRANSFER IMPEDANCE AT 10 MHZ ( \Omega/\text{m} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data</td>
<td>Power Supply Pair</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>52</td>
<td>40</td>
<td>120</td>
<td>0.9</td>
<td>1.6</td>
<td>2.1</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.