**Veriflex® Profibus PA LSZH Cable**

Eland Product Group: VBU

**APPLICATION**
Veriflex® Profibus PA cable for industrial fieldbus systems particularly developed for process automation and instrumentation applications including connecting sensors and actuators in hazardous and intrinsically safe areas.

**CHARACTERISTICS**
- **Maximum Operating Voltage** 300V
- **Temperature Rating** Fixed: -30°C to +80°C
- **Minimum Bending Radius** Fixed: 10 x overall diameter

**CONSTRUCTION**
- **Conductor** Solid Bare Copper Wire (18/1AWG)
- **Insulation** Solid PE (Polyethylene)
- **Bedding** PET (Polyester Tape)
- **Filler** LSZH (Low Smoke Zero Halogen)
- **Shield** Al/PET (Aluminium/Polyester Tape)
- **Braid** TCWB (Tinned Copper Wire Braid) 60% Coverage
- **Sheath** LSZH (Low Smoke Zero Halogen)
- **Core Identification** • Green • Red
- **Sheath Colour** • Blue

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

**STANDARDS**
BS EN 60754-1, BS EN 60754-2, IEC 61158, BS EN/IEC 61034-1/2,
Flame Retardant according to BS EN/IEC 60332-1-2

**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>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>NOMINAL DIAMETER OF CONDUCTOR mm</th>
<th>NOMINAL DIAMETER OF INSULATION mm</th>
<th>NOMINAL OUTER DIAMETER OF FILLER SHEATH mm</th>
<th>NOMINAL DIAMETER OF OUTER SHEATH mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBUPPA02G7LSBU0</td>
<td>1</td>
<td>0.85</td>
<td>1.04</td>
<td>2.5</td>
<td>5.5</td>
<td>7.6</td>
<td>89</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS AT 20°C**

<table>
<thead>
<tr>
<th>MAXIMUM DC CONDUCTOR RESISTANCE Ω/km</th>
<th>CAPACITANCE AT 800 HZ nF/km</th>
<th>IMPEDANCE (3÷20 MHz) Ω (± 10%)</th>
<th>IMPEDANCE Ω</th>
<th>ATTENUATION dB/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.25 kHz</td>
<td>39 kHz</td>
<td>1MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>60</td>
<td>150</td>
<td>100</td>
<td>80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INDUCTANCE AT 31.25 KH mH/km</th>
<th>DIELECTRIC STRENGTH kVac / 1 min</th>
<th>MINIMUM INSULATION RESISTANCE Ω X KM</th>
<th>TRANSFER IMPEDANCE mΩ/M</th>
<th>MAXIMUM INSTALLATION PULLING N</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7</td>
<td>2.5</td>
<td>2.5</td>
<td>15</td>
<td>10</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.