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 Testing 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 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>NO. OF PAIRS</th>
<th>NOMINAL CROSS SECTIONAL AREA</th>
<th>NOMINAL DIAMETER OF CONDUCTOR</th>
<th>NOMINAL DIAMETER OF INSULATION</th>
<th>NOMINAL OUT DIAMETER OF FILLER SHEATH</th>
<th>NOMINAL DIAMETER OF OUTER SHEATH</th>
<th>NOMINAL WEIGHT</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>
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### ELECTRICAL CHARACTERISTICS AT 20°C

<table>
<thead>
<tr>
<th>MAXIMUM DC CONDUCTOR RESISTANCE</th>
<th>CAPACITANCE AT 800 HZ</th>
<th>IMPEDANCE (3÷20 MHz) Ω</th>
<th>IMPEDANCE Ω</th>
<th>ATTENUATION dB/km</th>
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</thead>
<tbody>
<tr>
<td>Ω/km</td>
<td>Ω/km</td>
<td>Ω (± 10%)</td>
<td>31.25 kHz</td>
<td>39 kHz</td>
</tr>
<tr>
<td>22</td>
<td>60</td>
<td>150</td>
<td>100</td>
<td>100</td>
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</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>Cond/Cond</td>
<td>Cond/Shield</td>
<td>100kHz</td>
<td>1MHZ</td>
<td>0.7</td>
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