**Application**

Veriflex® Profinet cable Type A with solid copper conductors for the cabling of industrial field bus systems with the globally accepted TCP/IP protocol. Suitable for fixed or flexible applications. Cable properties include a high active and passive interference resistance. They are free from paint wetting disruptive substances (LABS-free).

**Characteristics**

- **Voltage Rating**: 300V
- **Temperature Rating**
  - Fixed: -20°C to +70°C
- **Minimum Bending Radius**
  - Fixed: 7.5 x overall diameter
  - Flexed: 15 x overall diameter

**Construction**

- **Conductor**: Class 1 solid copper conductor
- **Insulation**: LSZH (Low Smoke Zero Halogen)
- **Bedding**: LSZH (Low Smoke Zero Halogen)
- **Screen 1**: Al/PET (Aluminium Polyester Tape)
- **Screen 2**: TCWB (Tinned Copper Wire Braid)
- **Sheath**: LSZH (Low smoke Zero Halogen)
- **Core Identification**: White  Blue  Yellow  Orange
- **Sheath Colour**: Green

**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 50288-1, BS EN/IEC 61156-2, BS EN 50396

**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 50675, 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 CONDUCTOR DIAMETER $mm^2$ (AWS/strands)</th>
<th>NOMINAL DIAMETER INSULATION $mm$</th>
<th>NOMINAL BEDDING DIAMETER $mm$</th>
<th>NOMINAL OVERALL DIAMETER $mm$</th>
<th>NOMINAL WEIGHT $kg/km$</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBUPNA04G5LSGN0</td>
<td>2</td>
<td>0.34 (22/1)</td>
<td>1.43</td>
<td>4.2</td>
<td>6.5</td>
<td>74</td>
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</tbody>
</table>

## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>MAXIMUM DC CONDUCTOR RESISTANCE $Ω/km$</th>
<th>CAPACITANCE $pF/km$</th>
<th>MINIMUM INSULATION RESISTANCE $GΩ/km$</th>
<th>IMPEDANCE $Ω$</th>
<th>NOMINAL PROPAGATION VELOCITY $%$</th>
<th>DELAY SKEW $ns/100m$</th>
<th>DIELECTRIC STRENGTH $kVac / 1 min$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core/Core Unbalanced</td>
<td>56.4</td>
<td>52</td>
<td>1600</td>
<td>5.0</td>
<td>100</td>
<td>47</td>
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<td></td>
<td>50</td>
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</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.