Veriflex® Profinet Type A Cable

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 TESTED 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 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™.

Eland Product Group: VBU

Find this product online: elandcables.com | Cables & Accessories
Veriflex | Veriflex Profinet Type A Cable
### DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF PAIRS</th>
<th>NOMINAL CONDUCTOR DIAMETER mm² (AWG/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 ns/100m</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>67%</td>
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</table>

Core/Core Unbalanced 50 1.5 1.0

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.