Veriflex® PUR Industrial Ethernet Cable

**APPLICATION**

Veriflex® Industrial Ethernet cable suitable for Profinet Type B applications. Can be used in dry or damp rooms for plant engineering and machinery manufacturing. The rugged polyurethane sheath provides protection even in extreme industrial environments.

**CHARACTERISTICS**

**Temperature Rating**
- Fixed: -40°C to +80°C
- Flexed: -20°C to +70°C

**Minimum Bending Radius**
- Fixed: 8 x overall diameter
- Flexed: 12 x overall diameter

**CONSTRUCTION**

**Conductor**
- Stranded bare copper wires (AWG24/7)

**Insulation**
- FPE (Foam Skin Polyethylene)

**Separator Tape**
- PET (Polyester)

**Pair Shield**
- AI/PET (Aluminium Polyester Tape)

**Braid**
- TCWB (Tinned Copper Wire Braid) 90% coverage

**Sheath**
- PUR (Polyurethane)

**Pairs Identification**
- Pair 1: White ➤ Green
- Pair 2: White ➤ Orange
- Pair 3: White ➤ Blue
- Pair 4: White ➤ Brown

**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**

IEC 61156-6, BS EN 60811-404

**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 DIAMETER OF CONDUCTOR mm² (AWG/strands)</th>
<th>NOMINAL DIAMETER INSULATION mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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</thead>
<tbody>
<tr>
<td>VBUIEN08G3PUGN1</td>
<td>4</td>
<td>0.22 (24/7)</td>
<td>1.43</td>
<td>8.5</td>
<td>94</td>
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### ELECTRICAL CHARACTERISTICS AT 20°C

<table>
<thead>
<tr>
<th>MAXIMUM DC CONDUCTOR RESISTANCE Ω/km</th>
<th>CAPACITANCE pF/km</th>
<th>MINIMUM INSULATION RESISTANCE Ω x km</th>
<th>IMPEDANCE Ω</th>
<th>NOMINAL PROPAGATION VELOCITY %</th>
<th>MAXIMUM DELAY SKEW ns/100m</th>
<th>DIELECTRIC STRENGTH kVac / 1 min</th>
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<tbody>
<tr>
<td>Core/Core</td>
<td>84</td>
<td>42</td>
<td>1600</td>
<td>5.0</td>
<td>100</td>
<td>75%</td>
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<tr>
<td>Unbalanced</td>
<td></td>
<td></td>
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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.