**Veriflex® Profibus PA PVC Cable**

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

**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)
- **Separator**: PET (Polyester Tape)
- **Filler**: PET (Polyethylene Terephthalate) fibres
- **Shield**: AI/PET (Aluminium/Polyester Tape)
- **Braid**: TCWB (Tinned Copper Wire Braid) 60% Coverage
- **Sheath**: PVC (Polyvinyl Chloride)
- **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
- 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™.
### VBU5PA2G7PVB0

<table>
<thead>
<tr>
<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>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 (Ω/κm)</th>
<th>CAPACITANCE AT 800 HZ (μF/κm)</th>
<th>IMPEDANCE (3~20 MHz) (Ω ± 10%)</th>
<th>IMPEDANCE (1MHz) (Ω)</th>
<th>ATTENUATION (dB/κm)</th>
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<tbody>
<tr>
<td>22.0</td>
<td>60</td>
<td>150</td>
<td>100</td>
<td>80</td>
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<table>
<thead>
<tr>
<th>INDUCTANCE AT 31.25 KH (mH/κm)</th>
<th>DIELECTRIC STRENGTH (kV ac/1 min)</th>
<th>MINIMUM INSULATION RESISTANCE (Ω × KM)</th>
<th>TRANSFER IMPEDANCE (mΩ/m)</th>
<th>MAXIMUM INSTALLATION PULLING (N)</th>
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<tbody>
<tr>
<td>0.7</td>
<td>2.5</td>
<td>5.0</td>
<td>15</td>
<td>10</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.