







Eland Product Group: VBU

### **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

Al/PET (Aluminium Polyester Tape)

TCWB (Tinned Copper Wire Braid) 90% coverage

#### Sheath

PUR (Polyurethane)

## **Pairs Identification**

Pair 1: O White Green Pair 2: O White Orange Pair 3: ○ White ● Blue Pair 4: O White Brown

### **Sheath Colour**

Green

## **STANDARDS**

IEC 61156-6, BS EN 60811-404

#### THE CABLE LAB®

#### AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.





## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability











## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®











# **DIMENSIONS**

| ELAND PART NO.  | ELAND PART NO.  NO. OF PAIRS  OF CONDUCTOR mm² (AWG/strand: |             | NOMINAL DIAMETER<br>INSULATION<br>mm | NOMINAL OVERALL<br>DIAMETER<br>mm | NOMINAL<br>WEIGHT<br>kg/km |  |
|-----------------|---|-------------|--------------------------------------|-----------------------------------|----------------------------|--|
| VBUIEN08G3PUGN1 | 4   | 0.22 (24/7) | 1.43                                 | 8.5                               | 94                         |  |

# **ELECTRICAL CHARACTERISTICS AT 20°C**

| MAXIMUM DC<br>CONDUCTOR<br>RESISTANCE<br>Ω/km | CAPACITANCE<br>pF/km |            | MINIMUM<br>INSULATION<br>RESISTANCE | IMPEDANCE<br>Ω | NOMINAL<br>PROPAGATION<br>VELOCITY | MAXIMUM<br>DELAY SKEW<br>ns/100m | DIELECTRIC STRENGTH<br>kVac / 1 min |             |
|---|----------------------|------------|-------------------------------------|----------------|------------------------------------|----------------------------------|-------------------------------------|-------------|
|   | Core/Core            | Unbalanced | GΩ x km                             |                |                                    |                                  | Core/Core                           | Core/Shield |
| 84  | 42                   | 1600       | 5.0                                 | 100            | 75%                                | 25                               | 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.