


ELAND[®]
CABLES **Veriflex[®] Profinet Type A Cable**

Eland Product Group: VBU

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™.



DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CONDUCTOR DIAMETER mm ² (AWG/strands)	NOMINAL DIAMETER INSULATION mm	NOMINAL BEDDING DIAMETER mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
VBUPNA04G5LSGN0	2	0.34 (22/1)	1.43	4.2	6.5	74

ELECTRICAL CHARACTERISTICS

MAXIMUM DC CONDUCTOR RESISTANCE Ω/km	CAPACITANCE pF/km		MINIMUM INSULATION RESISTANCE $\text{G}\Omega/\text{km}$	IMPEDANCE Ω	NOMINAL PROPAGATION VELOCITY	DELAY SKEW $\text{ns}/100\text{m}$	DIELECTRIC STRENGTH $\text{kVac} / 1 \text{ min}$	
	Core/Core	Unbalanced					Core/Core	Unbalanced
56.4	52	1600	5.0	100	67%	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.