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

STANDARDS

IEC/EN 50288-1, IEC/EN 61156-2, EN 50396

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 is compliant with European Regulation EN 50575, the Construction Products Regulation.

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.	NO. OF PAIRS	NOMINAL CONDUCTOR DIAMETER mm² (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 GΩxkm	IMPEDANCE Ω	NOMINAL PROPAGATION VELOCITY	DELAY SKEW ns/100m	DIELECTRIC STRENGTH kVac / 1 min	
	Core/Core	Unbalanced					Core/Core	Unbalanced
56.4	52	1600	5.0	100	67%	50	1.5	1.0

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com