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

bsi. Cable Testing Verification KITEMARK™
KM 662609

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

PROFI NET®

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.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578

bsi. ISO 9001 Quality Management FS 672069 | ISO 14001 Environmental Management EMS 672067 | ISO 45001 Occupational Health and Safety Management OHS 672066

REGULATORY COMPLIANCE

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

CPR COMPLIANT EN 50575

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267

RoHS

CE

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

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