

 **Veriflex® DeviceNet Thin LSZH Cable**

Eland Product Group: VBU

APPLICATION

Veriflex® DeviceNet cable suitable for fixed and occasional flexing indoor applications in CAN technologies. LSZH (Low Smoke Zero Halogen) sheath. The accurate construction and the high shielding efficiency guarantee excellent transmissive performances in environments particularly polluted by electromagnetic interferences. Connects industrial devices, motor starters and PLCs.

CHARACTERISTICS**Voltage Rating**
125V**Temperature Rating**
Fixed: -20°C to +80°C
Flexed: -5°C to +50°C**Minimum Bending Radius**
10 x overall diameter**CONSTRUCTION****Conductor**Data Pair: Class 2 Stranded tinned copper
Power Pair: Class 2 Stranded tinned copper**Insulation**Pair 1 - Data: Foam-skin PE (Polyethylene)
Pair 2 - Power: Solid PE (Polyethylene)**Shield**

Al/PET (Aluminium/Polyester Tape)

Drain Wire

Tinned copper - 24AWG

Overall Shield

TCWB (Tinned Copper Wire Braid)

Sheath

LSZH (Low Smoke Zero Halogen)

Core IdentificationPair 1: ○ White ● Blue
Pair 2 ● Black ● Red**Sheath Colour**

● Violet

BSI KITEMARK™ TESTED

Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™.

STANDARDSFlame Retardant according to IEC/EN 60332-1
Low Smoke Zero Halogen according to IEC/EN 60754-1/2,
IEC/EN 61034-1/2**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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



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.	NOMINAL CROSS SECTIONAL AREA mm ²		CONDUCTOR AWG		NOMINAL DIAMETER OF OUTER SHEATH mm	NOMINAL WEIGHT kg/km
	Data Pair	Power Supply Pair	Data Pair	Power Supply Pair		
VBUDNT04G5LSV10	0.25	0.35	24/19	22/19	6.9	70

ELECTRICAL CHARACTERISTICS AT 20°C

DC CONDUCTOR RESISTANCE Ω/km		CAPACITANCE AT 800 HZ DATA PAIR nF/km	IMPEDANCE ≥ 1 MHz DATA PAIR Ω	ATTENUATION DATA PAIR dB/100m			DIELECTRIC STRENGTH kVac / 1 min	MINIMUM INSULATION RESISTANCE GΩxkm	TRANSFER IMPEDANCE AT 10 MHz mΩ/m
Data	Power Supply Pair			AT 125 kHz	AT 500 kHz	AT 1 MHz			
77	52	40	120	0.9	1.6	2.1	1.5	5.0	7

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.