



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 Identification

Pair 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™.

STANDARDS

Flame Retardant according to IEC/EN 60332-1
Low Smoke Zero Halogen according to IEC/EN 60754-1/2,
IEC/EN 61034-1/2

DeviceNet

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 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





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.