



Veriflex[®] DeviceNet Thick LSZH Cable



Eland Product Group: VBU

APPLICATION

Veriflex[®] DeviceNet Thick cable for fixed and occasional flexing indoor applications in CAN technologies. Connects industrial devices, motor starters and PLCs. Commonly used as trunk cables for industrial ethernet installations.

CHARACTERISTICS

Maximum Operating Voltage
300V

Temperature Rating
-30°C to +80°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor

Data Pair: Stranded tinned copper wires
Power Supply Pair: Stranded tinned copper wires

Insulation

Data Pair: Foam-Skin Polyethylene
Power Supply Pair: Solid Polyethylene

Individual Pair Shield

AL/PET (Aluminium/Polyester Tape)

Drain Wire

Tinner Copper

Overall Shield

TCWB (Tinned Copper Wire Braid)

Separation

PET (Polyester Tape)

Sheath

LSZH (Low Smoke Zero Halogen)

Core Identification

Data Pair: ○ White ● Blue
Power Supply Pair: ● 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 60332-1-2
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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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 2015/863/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		
VBUDNT04G7LSV10	0.93	1.93	18/19	15/19	11.9	220

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 GΩ×km	TRANSFER IMPEDANCE AT 10 MHz mΩ/m
Data	Power Supply Pair			AT 125 kHz	AT 500 kHz	AT 1 MHz			
23.2	11.3	40	120	0.4	0.8	1.25	2.0	5.0	15

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.