



# Veriflex<sup>®</sup> DeviceNet Thick LSZH Cable



Eland Product Group: VBU

## APPLICATION

Veriflex<sup>®</sup> 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<sup>®</sup> to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™.

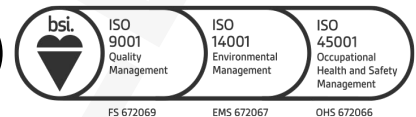
## STANDARDS

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



## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark™.





## DIMENSIONS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		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.