

# Veriflex® DeviceNet Thin LSZH Cable



#### **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 - 24/19AWG

Power Pair: Class 2 Stranded tinned copper - 22/19AWG (0.35mm<sup>2</sup>)

#### 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)

FRNC-LSZH (Flame Retardant Non Corrosive - Low Smoke Zero Halogen)

#### **Core Identification**

Pair 1: O White Blue Pair 2 

Black 

Red

#### **Sheath Colour**

Violet

#### **STANDARDS**

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

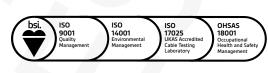


## UK LABORATORY TESTED



This product is subject to the Quality Assurance protocols of The Cable Lab®, a UKAS accredited ISO 17025 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 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 OF DATA PAIR CONDUCTOR mm²	NOMINAL CROSS SECTIONAL AREA OF POWER SUPPLY PAIR CONDUCTOR mm <sup>2</sup>	NOMINAL COVERAGE METALLIC BRAID	NOMINAL DIAMETER OF OUTER SHEATH mm	NOMINAL WEIGHT kg/km
VBUDNT04G5LSVI0	0.25	0.35	65%	6.9	70

### **ELECTRICAL CHARACTERISTICS AT 20°C**

DC CONDUCTOR RESISTANCE Ω/km		CAPACITANCE AT 800 HZ DATA PAIR	AT 800 HZ MHz DATA PAIR		ATTENUATION DATA PAIR dB/100m		DIELECTRIC STRENGTH kVac / 1 min	MINIMUM INSULATION RESISTANCE	TRANSFER IMPEDANCE AT 10 MHZ
Data	Power Supply Pair	nF/km		AT 125 kHz	AT 500 kHz	AT 1 MHz		GΩxkm	mΩ/m
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.