

f) Veriflex[®] DeviceNet Thin LSZH Cable



ELAND CABLES ©

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 AI/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

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 2015/65/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			UCTOR VG	NOMINAL DIAMETER OF OUTER SHEATH	NOMINAL WEIGHT ka/km
	Data Pair	Power Supply Pair	Data Pair	Power Supply Pair		Ŭ
VBUDNT04G5LSVI0	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	$\begin{array}{l} \text{IMPEDANCE} \geq 1 \\ \text{MHz DATA PAIR} \\ \Omega \end{array}$	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.