



# Veriflex® Profibus PA LSZH Cable



Eland Product Group: VBU

## APPLICATION

Veriflex® Profibus PA cable for industrial fieldbus systems particularly developed for process automation and instrumentation applications including connecting sensors and actuators in hazardous and intrinsically safe areas.

## CHARACTERISTICS

**Maximum Operating Voltage**  
300V

**Temperature Rating**  
Fixed: -30°C to +80°C

**Minimum Bending Radius**  
Fixed: 10 x overall diameter

## CONSTRUCTION

**Conductor**  
Solid Bare Copper Wire (18/1AWG)

**Insulation**  
Solid PE (Polyethylene)

**Bedding**  
PET (Polyester Tape)

**Filler**  
LSZH (Low Smoke Zero Halogen)

**Shield**  
Al/PET (Aluminium/Polyester Tape)

**Braid**  
TCWB (Tinned Copper Wire Braid) 60% Coverage

**Sheath**  
LSZH (Low Smoke Zero Halogen)

**Core Identification**  
● Green ● Red

**Sheath Colour**  
● Blue

## 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

IEC 61158,  
Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-1/2  
Flame Retardant according to BS EN/IEC 60332-1-2



## 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](http://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 2015/85/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL DIAMETER OF INSULATION mm	NOMINAL OUTER DIAMETER OF FILLER SHEATH mm	NOMINAL DIAMETER OF OUTER SHEATH mm	NOMINAL WEIGHT kg/km
VBUPPA02G7LSBU0	1	0.85	1.04	2.5	5.5	7.6	89

## ELECTRICAL CHARACTERISTICS AT 20°C

MAXIMUM DC CONDUCTOR RESISTANCE Ω/km	CAPACITANCE AT 800 HZ nF/km	IMPEDANCE (3+20 MHz) Ω (± 10%)	IMPEDANCE Ω			ATTENUATION dB/km		
			31.25 kHz	39 kHz	1MHz	MAXIMUM AT 39kHz	NOMINAL AT 100kHz	NOMINAL AT 1MHz
22	60	150	100	100	80	3.0	4.0	15.0

INDUCTANCE AT 31.25 KH mH/km	DIELECTRIC STRENGTH kVac / 1 min		MINIMUM INSULATION RESISTANCE GΩ X KM	TRANSFER IMPEDANCE mΩ/M		MAXIMUM INSTALLATION PULLING N
	Cond/Cond	Cond/Shield		100kHz	1MHZ	
0.7	2.5	2.5	5.0	15	10	120

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.