



# Profibus DP LSZH SWB Cable



Eland Product Group: A8P

## APPLICATION

A 1 pair LSZH (Low Smoke Zero Halogen) Profibus DP cable with a steel wire braid for additional mechanical support. For use on process and fieldbus communications.

## CHARACTERISTICS

### Voltage Rating

300V (Not for power purposes)

### Temperature Rating

Fixed: -40°C to +80°C

### Minimum Bending Radius

10 x overall diameter

## CONSTRUCTION

### Conductor

Class 1 solid copper conductor

### Insulation

Foam-skin PE (Polyethylene)

### Separation

PET (Polyester Tape)

### Filler

HFFR (Halogen Free Flame Retardant) compound

### Shield 1

Al/PET (Aluminium/Polyester Tape)

### Shield 2

TCWB (Tinned Copper Wire Braid)

### Inner Sheath

LSZH (Low Smoke Zero Halogen)

### Armour

GSWB (Galvanized Steel Wire Braid)

### Sheath

LSZH (Low Smoke Zero Halogen)

### Core Identification

● Green ● Red

### Inner Sheath Colour

● Violet

### Outer Sheath Colour

● Black

## STANDARDS

IEC/EN61158,

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®, 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.



8578



F5 672069



EMS 672067



OHS 672066

## 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® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KM 634267





## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	DIAMETER OF CONDUCTOR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8P-DPLSZHSWB	1	0.64	11.2	175

## ELECTRICAL CHARACTERISTICS

### Electrical and Transmission Properties at 20°C

MAXIMUM DC RESISTANCE OF CONDUCTOR ohms/km	CAPACITANCE AT 800HZ nF/km	IMPEDANCE ABOVE 1MHZ ohms	ATTENUATION dB/100m				TRANSFER IMPEDANCE AT 10MHZ mohms/m	DIELECTRIC STRENGTH kVac/1min		MINIMUM INSULATION RESISTANCE Gohms/km
			At 9.6kHz	At 38.4kHz	At 4MHz	At 16MHz		Conductor/Conductor	Conductor/Shield	
57.5	29	150	0.3	0.5	2.1	4	10	1.5	1.5	5

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.