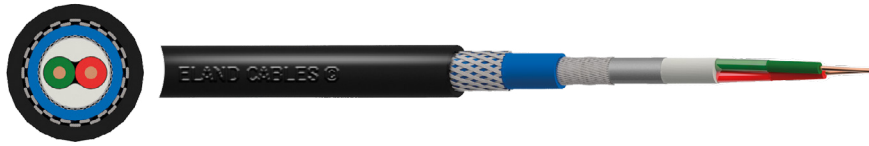




Profibus PA LSZH SWB Cable



Eland Product Group: A8P

APPLICATION

A LSZH (Low Smoke Zero Halogen) fieldbus cable with a SWB (Steel Wire Braid) designed for transmission where additional mechanical protection is required.

CHARACTERISTICS

Voltage Rating

300V (Not for power purposes)

Temperature Rating

Fixed: -30°C to +80°C

Minimum Bending Radius

Fixed: 15 x overall diameter

CONSTRUCTION

Conductor

Class 1 solid copper conductor

Insulation

Solid PE (Polyethylene)

Separation

PET (Polyester Tape)

Filler

HF (Halogen free)

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

Outer Sheath Colour

● Black

STANDARDS

IEC/EN 61158, UL 1581,

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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECCE 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 2015/853/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	DIAMETER OF CONDUCTOR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8P-PALSZHSWB	1	0.85	11	190

ELECTRICAL CHARACTERISTICS

Electrical and Transmission Properties at 20°C

MAXIMUM DC RESISTANCE OF CONDUCTOR ohms/km	CAPACITANCE AT 800HZ nF/km	IMPEDANCE ohms				NOMINAL ATTENUATION dB/km			INDUCTANCE mH/km
		At 1MHz	At 31.25kHz	At 39kHz	3/20MHz	At 1MHz	At 39kHz	At 100kHz	
22	60	80	100	100	150	15	3	4	0.7

MAXIMUM PROPAGATION DELAY CHANGE (7.9/39KHZ) µsec/km	DIELECTRIC STRENGTH kVac/1min		TRANSFER IMPEDANCE mohms/m		MINIMUM INSULATION RESISTANCE Gohms/km
	Conductor/Conductor	Conductor/Shield	At 100kHz	At 1MHz	
1.7	2.5	2.5	15	10	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.