ELAND® CABLES

9841 - 300V LSZH Alternative Cable

Eland Product Group: A3B

APPLICATION

9841-300V LSZH Alternative cable is a 24 AWG low capacitance cable with a high level of screening. Provides interference free, high speed data transmission suitable for RS485 applications.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
Fixed: -20°C to +80°C

CONSTRUCTION

Conductor
Class 2 stranded tinned copper conductor

Insulation
PE (Polyethylene)

Screen
Al/PET (Aluminium polyester foil)

Drain Wire
Stranded Tinned copper

Braid
TCWB (Tinned Copper Wire Braid)

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
Pair 1: ⦿ Blue/White ⦿ White/Blue

Sheath Colour
⦿ Grey

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.

ISO/IEC 17025 Accredited Testing Laboratory — UKAS TESTING

IECEE CBTL Accredited Testing Laboratory

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

SCIENCE BASED TARGETS | BUSINESS AMBITION FOR 1.5°C

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

CPR COMPLIANT

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®.

RoHS | REACH | CE

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technical**specification** | 1 of 2

DIMENSIONS

ELAND PART NO.	VOLTAGE RATING kV	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B9841LSZHGR	300	1	AWG24(7)	0.2	5.6	54

ELECTRICAL CHARACTERISTICS

VELOCITY PROPAGATION %	IMPEDANCE ohm	CAPACITANCE AT 1kHz pF/m	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
66	120	75.46	84.6

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