

# 9843 - LSZH 300V Alternative Cable



ELAND CABLES ©

Eland Product Group: A3B

## APPLICATION

9843 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

**Minimum Bending Radius**  
10 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded tinned copper conductor

**Insulation**  
PE (Polyethylene)

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

**Screen 1**  
Al/PET (Aluminium foil/Polyester tape)

**Screen 2**  
TCWB (Tinned Copper Wire Braid)

**Drain Wire**  
Stranded Tinned copper

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

**Core Identification**  
Pair 1: Blue/White White/Blue  
Pair 2: Orange/White White/Orange  
Pair 3: White/Green Green/White

**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.



## 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](https://www.elandcables.com/company/about-us/esg-sustainability)

SCIENCE  
BASED  
TARGETSBUSINESS  
AMBITION FOR 1.5°C

## 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.	NO. OF PAIRS	AWG NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B9843LSZH	3	AWG24(7)	0.2	9.15	108

## ELECTRICAL CHARACTERISTICS

VELOCITY TO PROPAGATION %	IMPEDANCE ohms	CAPACITANCE AT 1kHz pF/m	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
66	120	90	90.41

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.