

9842 - 600V LSZH Alternative Cable



Eland Product Group: A3B

APPLICATION

9842 - 600V 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
600V

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
Pair 2: Orange/White White/Orange

Sheath Colour
 Grey Violet

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



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 2015/863/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
A3B9842NH600**	2	AWG24(7)	0.2	8.65	92

** Designates the sheath colour. For each Eland Cables part number replace with the two-letter colour code
A3B9842NH600GR = Grey A3B9842NH600VI = Violet

ELECTRICAL CHARACTERISTICS

MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
ohms/km

86.2