

# 9842 - SWA LSZH 300V Alternative Cable



Eland Product Group: A3B

## APPLICATION

9842 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: -40°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)

### Inner Sheath

PE (Polyethylene)

### Armour

SWA (Steel Wire Armour)

### Sheath

LSZH (Low Smoke Zero Halogen)

### Core Identification

Pair 1: ● Blue/White ● White/Blue

Pair 2: ● Orange/White ● White/Orange

### Sheath Colour

● Grey

## 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.



## 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™.





## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	AWG NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B9842SWA/LSZH	2	AWG24(7)	0.2	13	210

## ELECTRICAL CHARACTERISTICS

BELDEN ALTERNATIVE	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/100m
9842SWALSZH	86.2

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.