

# Belden 9844 - LSZH 600V (Belden Alternative) Cable



Eland Product Group: **A3B**

## APPLICATION

Armoured multi-conductor, low capacitance computer cable for RS485 applications.

## CONSTRUCTION

### Conductor

Class 2 stranded tinned copper

### 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) compound

### Armour

SWA (Steel Wire Armour)

### Outer Sheath

LSZH (Low Smoke Zero Halogen) compound

## CABLE STANDARDS

UL1581, UL758 Generally to Belden 9844, EIA RS485



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Voltage Rating

600V

### Temperature Rating

-20°C to +80°C

### Minimum Bending Radius

10 x overall diameter

### Core Identification

- White/Blue + Blue/White
- White/Orange + Orange/White
- White/Green + Green/White
- White/Brown + Green/Brown

### Sheath Colour

- Grey

## DIMENSIONS

ELAND PART NO.	BELDEN ALTERNATIVE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B9844SWALSZH	9844LSZH	4	24(7)	0.2	13.0 (+/-0.18mm)	125

## ELECTRICAL CHARACTERISTICS

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