

# Belden 8163 - LSF 300V (Belden Alternative) Cable



Eland Product Group: **A3B**

## APPLICATION

Low Capacitance Computer Cable for EIA RS-232/422 and Digital.

## CONSTRUCTION

### Conductor

Class 2 stranded tinned copper

### Insulation

Gas Injection Foam PE (Polyethylene)  
 Insulation thickness: 0.483mm

### Drain Wire

Stranded tinned copper

### Screen 1

AL-PET (Aluminium Foil/Polyester tape)

### Screen 2

TCWB (Tinned Copper Wire Braid)

### Sheath

LSF PVC (Low Smoke Fume Polyvinyl Chloride)

## CABLE STANDARDS

UL1581,UL758 Generally to Belden 8162 LSF. EIA RS/232/422



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

300V

### Temperature Rating

-20°C to +80°C

### Minimum Bending Radius

10 x overall diameter

### Core Identification

2 core ● Black + ● Red

2 core ● Black + ○ White

2 core ● Black + ● Green

### 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
A3B8163LSF	8162LSF	3	AWG24(7)	0.2	9.12 (+/- 0.18mm)	63

## ELECTRICAL CHARACTERISTICS

VELOCITY TO PROPAGATION %	IMPEDANCE ohms	CAPACITANCE AT 1kHz pF/m	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
78	100	90+/-20	<84.6

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.