

8163 - LSF 300V Alternative Cable



Eland Product Group: A3B

APPLICATION

An overall foil and braid screen cable used over extended distances at high data rates for RS232 and RS422 applications.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
-20°C to +80°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded tinned copper

Insulation
Gas Injection Foam PE (Polyethylene)

Collective Screen
Al/PET (Aluminium Foil/Polyester tape)

Drain Wire
Tinned copper

Braid
TCWB (Tinned Copper Wire Braid)

Sheath
PVC-LSF (Polyvinyl Chloride-Low Smoke Fume)

Core Identification
 Pair 1: ● Black ● Red
 Pair 2: ● Black ○ White
 Pair 3: ● Black ● Green

Sheath Colour
 ● Grey
 Other colours available upon request

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 THICKNESS OF INSULATION mm	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B8163LSF	3	AWG24(7)	0.483	0.2	9.12	63

ELECTRICAL CHARACTERISTICS

VELOCITY OF 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.