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

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 2015/65/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 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

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