Belden 9929 Multi-Conductor Low Capacitance Cable

Eland Product Group: A4B

APPLICATION

A multi-core cable used for high data rates over extended distances, supporting RS232 and RS423 applications.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
-30°C to +80°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded tinned copper

Insulation
Datalene® FPE (Foam Polyethylene)

Screen 1
Beldfoil® (Aluminium Foil Polyester Tape)

Drain Wire
Tinned copper

Screen 2
TCWB (Tinned Copper Wire Braid)

Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black ○ White ● Red ● Green ● Brown

Sheath Colour
● Grey

STANDARDS

Belden 9929, EIA/RS 232, EIA/RS423

Vertical tray fire propagation and smoke release test: UL 1685

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.	BELDEN REFERENCE	NO. OF CORES	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4B9929	9929	5	AWG24(7)	0.2	6.248	47.62

ELECTRICAL CHARACTERISTICS

AWG (NO. OF STRANDS)	CAPACITANCE pF/m		VELOCITY OF PROPAGATION %	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Conductor to Conductor	Conductor to Shield		
AWG24(7)	39.37	72.182	78	78.744

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