

Belden 9936 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.

CONSTRUCTION

Conductor

Class 2 stranded tinned copper conductor

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)

CABLE STANDARDS

EIA RS 232, RS 423, UL1685



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

-30°C to +80°C

Colour Coding

● Black ○ White ● Red ● Green ● Orange ● Blue
◐ White/Black ◑ Red/Black ◒ Green/Black ◓ Orange/Black
◔ Blue/Black ◕ Black/White ◖ Red/White ◗ Green/White
◘ Blue/White

Sheath Colour

● Grey

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
A4B9936	9936	15	AWG24(7)	0.032	8.76	87.80

ELECTRICAL CHARACTERISTICS

AWG (NO. OF STRANDS)	CAPACITANCE		VELOCITY OF PROPAGATION %	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Conductor to Conductor pF/m	Conductor to Shield pF/m		
AWG24(7)	39.37	72.18	78	78.744