

# 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.

## 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, UL 1685



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

### Minimum Bending Radius

10 x overall diameter

### Colour Coding

● Black ○ White ● Red ● Green ● Brown

### 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
A4B9929	9929	5	AWG24(7)	0.032	6.248	47.62

## 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)	39.372	72.182	78	78.744