# 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

## 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. | 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 |





UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com