



# Belden 8443 Multi-Conductor Audio, Control and Instrumentation Cable



Eland Product Group: A4B

## APPLICATION

General purpose unshielded multi-pair cable for use in audio, control and instrumentation applications.

## CHARACTERISTICS

**Voltage Rating**  
150V

**Temperature Rating**  
-20°C to +80°C

**Minimum Bending Radius**  
10 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded tinned copper conductor

**Insulation**  
PVC (Polyvinyl Chloride)

**Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
● Black ● Red ● Green

**Sheath Colour**  
● Grey

## DIMENSIONS

ELAND PART NO.	BELDEN REFERENCE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4B8443	8443	3	AWG22(7)	0.25	4.36	23.81

## ELECTRICAL CHARACTERISTICS

AWG (NO. OF STRANDS)	CAPACITANCE pF/m	INDUCTANCE μH/m	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
AWG22(7)	111.55	0.55	100	51.18

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.

## STANDARDS

Belden 8443, UL style 2576

Vertical tray fire propagation and smoke release test UL 1685 FT4

## 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™.

