

Belden 1502R Multi-Conductor Multimedia Control Cable



Eland Product Group: A4B

APPLICATION

A multi-pair cable with a screened data pair and unscreened power pair. It is specially suited for multimedia control systems.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
-20°C to +75°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor

Pair 1 - Data: Class 2 stranded tinned copper - 22AWG
 Pair 2 - Power: Class 2 stranded tinned copper - 18AWG

Insulation

Datalene[®] FPE (Foam Polyethylene)

Screen

Beldfoil[®] (Aluminium foil polyester tape) applied to data pair

Drain Wire

Tinned copper

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Pair 1: ● Blue ○ White
 Pair 2: ● Black ● Red

Sheath Colour

● Black ○ White ● Blue

STANDARDS

Belden 1502R

Vertical flame test: UL 1666 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[™].



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
			Pair 1 Data	Pair 2 Power			
A4B1502R	1502R	2	AWG22(7)	AWG18(16)	0.0509	6.350	59.52

ELECTRICAL CHARACTERISTICS

PAIR	AWG NO. OF STRANDS)	CAPACITANCE pF/m		NOMINAL INDUCTANCE μ H/m	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Conductor to Conductor	Conductor to Shield			
Pair 1 Data	AWG22(7)	45.93	124.67	0.76	100	53.48
Pair 2 Power	AWG18(16)	95.14	-	0.55	100	22.63

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.