

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.

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

FR-PVC (Flame Retardant - Polyvinyl Chloride)

CABLE STANDARDS

UL 1666-FT4



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

-20°C to +75°C

Minimum Bending Radius

10 x overall diameter

Pair Identification

Pair 1: ● Blue ○ White

Pair 2: ● Black ● Red

Sheath Colour

● Black ○ White ● Blue

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		NOMINAL INDUCTANCE $\mu\text{H/m}$	IMPEDANCE ohms	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Conductor to Conductor pF/m	Conductor to Shield pF/m			
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