



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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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 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 μH/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.