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
Dateline® 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

Generally to 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 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

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>BELDEN REFERENCE</th>
<th>NO. OF PAIRS</th>
<th>AWG (NO. OF STRANDS)</th>
<th>NOMINAL DIAMETER OF STRANDS (mm)</th>
<th>NOMINAL OVERALL DIAMETER (mm)</th>
<th>NOMINAL WEIGHT (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4B1502R</td>
<td>1502R</td>
<td>2</td>
<td>AWG22 (7)</td>
<td>0.0509</td>
<td>6.350</td>
<td>59.52</td>
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</tbody>
</table>

### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>PAIR</th>
<th>AWG (NO. OF STRANDS)</th>
<th>CAPACITANCE pF/m</th>
<th>NOMINAL INDUCTANCE μH/m</th>
<th>IMPEDANCE ohms</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
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</thead>
<tbody>
<tr>
<td>Pair 1 Data</td>
<td>AWG22 (7)</td>
<td>45.93</td>
<td>124.67</td>
<td>0.76</td>
<td>100</td>
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<td>Pair 2 Power</td>
<td>AWG18 (16)</td>
<td>95.14</td>
<td>-</td>
<td>0.55</td>
<td>100</td>
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</tbody>
</table>

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.