Belden 8771 Multi-Conductor Audio, Control and Instrumentation Cable

APPLICATION
A multi-core cable for audio, control and instrumentation applications.

CHARACTERISTICS
Voltage Rating
300V

Temperature Rating
-20°C to +60°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION
Conductor
Class 2 stranded tinned copper conductor

Insulation
PE (Polyethylene)

Screen
Beldfoil® (Aluminium foil polyester tape)

Drain Wire
Tinned Copper

Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black ● Red ● Transparent

Sheath Colour
● Grey

STANDARDS
Belden 8771, UL Style 2093
Vertical tray fire propagation and smoke release test UL 1685 FT1

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>A488771</td>
<td>8771</td>
<td>3</td>
<td>AWG22(7)</td>
<td>0.25</td>
<td>5.05</td>
<td>32.74</td>
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</table>

### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>AWG (NO. OF STRANDS)</th>
<th>CAPACITANCE (pF/m)</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C (ohms/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor to Conductor</td>
<td>75.46</td>
<td>49.21</td>
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<tr>
<td>Conductor to Shield</td>
<td>134.52</td>
<td></td>
</tr>
</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.