Belden 8778 Multi-Pair Cable

Eland Product Group: A4B

APPLICATION
Belden 8778 Multi-Pair Cables are used to connect multiple audio channels in low-level (microphone) and high-level (line) componentry such as console board equipment for recording studios, radio television stations, post-production facilities, and sound system installations.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
-20°C to +80°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded tinned copper conductor

Insulation
PP (Polypropylene)

Screen
Beldfoil® (Aluminium foil polyester tape)

Drain Wire
Tinned copper

Sheath
PVC (Polyvinyl Chloride)

Core Identification
Pair 1: ● Black ● Red
Pair 2: ● Black ● White
Pair 3: ● Black ● Green
Pair 4: ● Black ● Blue
Pair 5: ● Black ● Yellow
Pair 6: ● Black ● Brown

Sheath Colour
● Grey

STANDARDS

Belden 8778

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</th>
<th>NOMINAL OVERALL DIAMETER</th>
<th>NOMINAL WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>in.</td>
<td>mm</td>
<td>in.</td>
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<tr>
<td>A4B8778</td>
<td>8778</td>
<td>6</td>
<td>AWG22(7)</td>
<td>0.03</td>
<td>0.762</td>
<td>0.352</td>
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## PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>BELDEN REFERENCE</th>
<th>CAPACITANCE (CONDUCTOR TO CONDUCTOR)</th>
<th>CAPACITANCE (CONDUCTOR TO SHIELD)</th>
<th>NOMINAL INDUCTANCE</th>
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<tbody>
<tr>
<td></td>
<td>pF/ft.</td>
<td>pF/m</td>
<td>pF/ft.</td>
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<tr>
<td>8778</td>
<td>30</td>
<td>98.4</td>
<td>55</td>
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## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>BELDEN REFERENCE</th>
<th>IMPEDANCE ohms</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/1000ft.</th>
<th>ohms/km</th>
<th>NOMINAL VELOCITY OF PROPAGATION %</th>
<th>CURRENT CARRYING CAPACITY AT 25°C Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>8778</td>
<td>50</td>
<td>15</td>
<td>49.2</td>
<td>66</td>
<td>2</td>
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