Caledonian Belden Equivalent Cables

*Multipair Individually and Overall Screened Cables* - Belden Equivalent 8178

**Application**

These cables have individually screened pairs laid up in a Foil & Braid screen. Each individually screened pair has a 24AWG stranded tinned copper drain wire. These cables are suitable for EIA RS-232 and EIA RS-422 applications, used as computer cables.

**Construction**

- **Conductor**: Tinned copper wire.
- **Insulation**: Foam PE.
- **Individual Screen**: Aluminium/Polyester tape.
- **Drain Wire**: Tinned copper wire.
- **Overall Screen1**: Aluminium/Polyester tape.
- **Overall Screen2**: Tinned copper braid, 65% coverage.
- **Sheath**: PVC (V type)/LSZH (H type).
- **Insulation Colour**: Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue, Green & Yellow, Green & Brown, Green & Orange.

**Electrical & Mechanical Characteristics**

<table>
<thead>
<tr>
<th>AWG</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor Construction</td>
<td>7x0.2</td>
</tr>
<tr>
<td>UL Style</td>
<td>2493</td>
</tr>
<tr>
<td>Maximum Conductor Resistance</td>
<td>Ω/km</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>V</td>
</tr>
<tr>
<td>Nominal Capacitance Conductor to Conductor</td>
<td>pF/m</td>
</tr>
<tr>
<td>Nominal Capacitance Conductor to Screen</td>
<td>pF/m</td>
</tr>
<tr>
<td>Bending Radius</td>
<td>10xOverall Diameter</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>°C</td>
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</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Ordering Code</th>
<th>No. of Pairs</th>
<th>Insulation Thickness</th>
<th>Sheath Thickness</th>
<th>Overall Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>BE118178V</td>
<td>18</td>
<td>0.47</td>
<td>1.22</td>
<td>17.4</td>
</tr>
<tr>
<td>BE118178H</td>
<td>18</td>
<td>0.47</td>
<td>1.22</td>
<td>17.4</td>
</tr>
</tbody>
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