Product: **5400UE**

Security & Sound, 2 Conductor 20 AWG, BC, Unshielded, CMR

**Product Description**
Security & Commercial Audio Cable, Riser-CMR, 2-20 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

**Technical Specifications**

**Product Overview**

**Physical Characteristics (Overall)**

### Conductor

<table>
<thead>
<tr>
<th>AWG</th>
<th>Stranding</th>
<th>Material</th>
<th>No. of Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>7x28</td>
<td>BC - Bare Copper</td>
<td>2</td>
</tr>
</tbody>
</table>

Conductor Count: 2

### Insulation

<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP - Polypropylene</td>
<td>0.008 in</td>
</tr>
</tbody>
</table>

### Color Chart

<table>
<thead>
<tr>
<th>Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black</td>
</tr>
<tr>
<td>2</td>
<td>Red</td>
</tr>
</tbody>
</table>

### Outer Shield Material

<table>
<thead>
<tr>
<th>Material</th>
<th>No Shield</th>
</tr>
</thead>
</table>

### Outer Jacket Material

<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Diameter</th>
<th>Nominal Wall Thickness</th>
<th>Ripcord</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.138 in</td>
<td>0.017 in</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Construction and Dimensions**

**Cabling**

<table>
<thead>
<tr>
<th>Twists</th>
<th>4 twist/ft</th>
</tr>
</thead>
</table>

**Electrical Characteristics**

### Conductor DCR

<table>
<thead>
<tr>
<th>Nominal Conductor DCR</th>
<th>10.2 Ohm/1000ft</th>
</tr>
</thead>
</table>

**Capacitance**

<table>
<thead>
<tr>
<th>Nom. Capacitance Conductor to Conductor</th>
<th>18.5 pF/ft</th>
</tr>
</thead>
</table>
**Inductance**

Nominal Inductance

0.18 µH/ft

**Current**

Max. Recommended Current [A]

3.75 Amps per Conductor at 25ºC

**Voltage**

UL Voltage Rating

300 V RMS

**Temperature Range**

UL Temp Rating: 75°C

Operating Temp Range: -20°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight: 12 lbs/1000ft

Max. Pull Tension: 25.2 lbs

Min Bend Radius/Minor Axis: 1.375 in

**Standards**

NEC Articles: Article 800

NEC/(UL) Compliance: CMR

CEC/C(UL) Compliance: CMG

CPR Euroclass: Eca

**Applicable Environmental and Other Programs**

Environmental Space: Indoor - Riser


EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes


EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

C(UL) Flammability: FT4

UL Flammability: UL1666 Vertical Shaft

IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N): No

Plenum Number: 6400UE

**Part Number**

Variants

<table>
<thead>
<tr>
<th>Item #</th>
<th>Color</th>
<th>Putup Type</th>
<th>Length</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>5400UE 0081000</td>
<td>Gray</td>
<td>Reel</td>
<td>1,000 ft</td>
<td>612825161981</td>
</tr>
<tr>
<td>5400UE 008U1000</td>
<td>Gray</td>
<td>UnReel</td>
<td>1,000 ft</td>
<td>612825420101</td>
</tr>
<tr>
<td>5400UE 008Z1000</td>
<td>Gray</td>
<td>ReelTuff Box</td>
<td>1,000 ft</td>
<td>612825162018</td>
</tr>
</tbody>
</table>

Footnote: C - CRATE REEL PUT-UP.

**History**

Update and Revision: Revision Number: 0.270 Revision Date: 06-24-2020