Part Number: 8457
Audio/Control/Instrumentation, (12) 22 AWG (7x30) TC, PVC/PVC, CMG

Product Description
Twelve 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

Technical Specifications

Physical Characteristics (Overall)

<table>
<thead>
<tr>
<th>Conductor</th>
<th>AWG</th>
<th>Stranding</th>
<th>Material</th>
<th>No. of Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>7x30</td>
<td>TC - Tinned Copper</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Conductor Count: 12
Conductor Size: 22 AWG

Insulation

<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.011 in</td>
</tr>
</tbody>
</table>

Color Chart

Color
White
Black
Blue
Brown
Green
Gray
Orange
Purple
Red
Pink
Tan
Yellow

Outer Shield Material

Material
Unshielded

Outer Jacket Material

<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Diameter</th>
<th>Nominal Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.272 in</td>
<td>0.032 in</td>
</tr>
</tbody>
</table>

Electrical Characteristics

Conductor DCR
Nominal Conductor DCR
15.6 Ohms/1000ft

Capacitance
Nom. Capacitance Conductor to Conductor
34 pF/ft
Shielding: Unshielded

Inductance
Nominal Inductance
0.17 µH/ft

Current
Max. Recommended Current [A]
2.1 Amps per conductor @ 25°C

Voltage
<table>
<thead>
<tr>
<th>UL Description</th>
<th>UL Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMG</td>
<td>300 V RMS</td>
</tr>
<tr>
<td>UL AWM Style 2576</td>
<td>150 V RMS</td>
</tr>
</tbody>
</table>

Temperature Range
UL Temp Rating:
80°C (UL AWM Style 2576)
Operating Temp Range:
-20°C To +80°C

Mechanical Characteristics
Bulk Cable Weight:
47 lbs/1000ft
Max Recommended Pulling Tension:
110 lbs
Min Bend Radius/Minor Axis:
2.75 in

Standards
NEC/(UL) Specification: CMG
CEC/(UL) Specification: CMG
UL AWM Style: UL AWM Style 2576 (150 V 80°C)
CSA AWM Specification: FT4
CPR Euroclass: Eca

Applicable Environmental and Other Programs
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
CA Prop 65 (CJ for Wire & Cable): Yes
MII Order #39 (China RoHS): Yes

Flammability, LS0H, Toxicity Testing
UL Flammability: UL1685 FT4 Loading
CSA Flammability: FT4
UL voltage rating: 300 V RMS

Plenum/Non-Plenum
Plenum (Y/N): No

Part Number

<table>
<thead>
<tr>
<th>Item #</th>
<th>Color</th>
<th>Footnote</th>
</tr>
</thead>
<tbody>
<tr>
<td>8457 060100</td>
<td>Chrome</td>
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<tr>
<td>8457 0601000</td>
<td>Chrome</td>
<td>C</td>
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<td>Chrome</td>
<td>C</td>
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<td>8457 060U1000</td>
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</tr>
<tr>
<td>8457 060U500</td>
<td>Chrome</td>
<td></td>
</tr>
</tbody>
</table>

Footnote: C - CRATE REEL PUT-UP.
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