9402 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call
1-800-Belden1

**General Description:**
20 AWG stranded (7x28) TC conductors, semi-rigid PVC insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, overall PVC jacket.

**Physical Characteristics (Overall)**

**Conductor**

<table>
<thead>
<tr>
<th># Pairs</th>
<th>AWG</th>
<th>Stranding</th>
<th>Conductor Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>20</td>
<td>7x28</td>
<td>TC - Tinned Copper</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 4

**Insulation**

<table>
<thead>
<tr>
<th>Insulation Material</th>
<th>Wall Thickness (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-R PVC - Semi-Rigid Polyvinyl Chloride</td>
<td>0.011</td>
</tr>
</tbody>
</table>

**Inner Shield**

**Inner Shield Material:**

<table>
<thead>
<tr>
<th>Inner Shield Trade Name</th>
<th>Type</th>
<th>Inner Shield Material</th>
<th>Coverage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beldfoil® (Z-Fold®)</td>
<td>Tape</td>
<td>Aluminum Foil-Polyester Tape</td>
<td>100</td>
</tr>
</tbody>
</table>

**Inner Shield Drain Wire AWG:**

- AWG: 22

**Inner Shield Drain Wire Stranding:** 19x34

**Inner Shield Drain Wire Conductor Material:** TC - Tinned Copper

**Outer Jacket**

<table>
<thead>
<tr>
<th>Outer Jacket Material</th>
<th>Nom. Wall Thickness (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.041</td>
</tr>
</tbody>
</table>

**Overall Cable**

Overall Nominal Diameter: 0.300 in.

**Pair**

**Pair Color Code Chart:**

<table>
<thead>
<tr>
<th>Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red &amp; Black</td>
</tr>
<tr>
<td>2</td>
<td>Green &amp; White</td>
</tr>
</tbody>
</table>

**Mechanical Characteristics (Overall)**

- Operating Temperature Range: -20°C To +80°C
- UL Temperature Rating: 80°C (UL AWM Style 2464)
- Bulk Cable Weight: 49 lbs/1000 ft.
- Max. Recommended Pulling Tension: 72 lbs.
- Min. Bend Radius/Minor Axis: 3 in.

**Applicable Specifications and Agency Compliance (Overall)**

Applicable Standards & Environmental Programs

- NEC/(UL) Specification: CMG
- CEC/(UL) Specification: CMG
- AWM Specification: UL Style 2464 (300 V 80°C)
- EU Directive 2011/65/EU (ROHS II): Yes
- EU CE Mark: Yes
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EU Directive 2002/95/EC (RoHS): Yes
EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005
EU Directive 2002/96/EC (WEEE): Yes
CA Prop 65 (CJ for Wire & Cable): Yes
MII Order #39 (China RoHS): Yes

Flame Test
UL Flame Test: UL1685 FT4 Loading
CSA Flame Test: FT4

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

Electrical Characteristics (Overall)
Nom. Inductance:
Inductance (µH/ft): 0.170

Nom. Capacitance Conductor to Conductor:
Capacitance (pF/ft): 55

Nom. Capacitance Cond. to Other Conductor & Shield:
Capacitance (pF/ft): 95

Nom. Conductor DC Resistance:
DCR @ 20°C (Ohm/1000 ft): 9.3

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 12 Ohm/1000 ft

Max. Operating Voltage - UL:
Voltage: 300 V RMS

Max. Recommended Current:
Current: 3.1 Amps per conductor @ 25°C

Put Ups and Colors:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Putup</th>
<th>Ship Weight</th>
<th>Color</th>
<th>Notes</th>
<th>Item Desc</th>
</tr>
</thead>
<tbody>
<tr>
<td>9402 0600U500</td>
<td>500</td>
<td>26.000 LB</td>
<td>CHROME</td>
<td></td>
<td>2 FS PR #20 PVC PVC</td>
</tr>
<tr>
<td>9402 0601000</td>
<td>1,000</td>
<td>52.000 LB</td>
<td>CHROME</td>
<td></td>
<td>2 FS PR #20 PVC PVC</td>
</tr>
<tr>
<td>9402 0605000</td>
<td>5,000</td>
<td>260.000 LB</td>
<td>CHROME</td>
<td></td>
<td>2 FS PR #20 PVC PVC</td>
</tr>
</tbody>
</table>

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-16-2012

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