General Description:
20 AWG stranded (7x28) .038" tinned copper conductors, polyethylene insulation, tinned copper braid shield (93% Coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

<table>
<thead>
<tr>
<th># Pairs</th>
<th>AWG</th>
<th>Stranding</th>
<th>Conductors Material</th>
<th>Dia. (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20</td>
<td>7x28</td>
<td>TC - Tinned Copper</td>
<td>.038</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 2

Insulation

Insulation Material:

<table>
<thead>
<tr>
<th>Insulation Material</th>
<th>Wall Thickness (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE - Polyethylene</td>
<td>0.019</td>
</tr>
</tbody>
</table>

Outer Shield

Outer Shield Material:

<table>
<thead>
<tr>
<th>Type</th>
<th>Outer Shield Material</th>
<th>Coverage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braid</td>
<td>TC - Tinned Copper</td>
<td>93</td>
</tr>
</tbody>
</table>

Outer Jacket

Outer Jacket Material:

<table>
<thead>
<tr>
<th>Outer Jacket Material</th>
<th>Nom. Wall Thickness (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.033</td>
</tr>
</tbody>
</table>

Overall Cable

Overall Nominal Diameter: 0.244 in.

Pair

Pair Color Code Chart:

<table>
<thead>
<tr>
<th>Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clear &amp; Blue</td>
</tr>
</tbody>
</table>

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2092)

Bulk Cable Weight: 37 lbs/1000 ft.

Max. Recommended Pulling Tension: 68 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

<table>
<thead>
<tr>
<th>Specification</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEC/(UL)</td>
<td>CM</td>
</tr>
<tr>
<td>CEC/(UL)</td>
<td>CM</td>
</tr>
<tr>
<td>AWM Specification</td>
<td>UL Style 2092 (300 V 60°C)</td>
</tr>
<tr>
<td>EU Directive 2011/65/EU (ROHS II);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU CE Mark:</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Directive 2000/53/EC (ELV);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Directive 2002/95/EC (RoHS);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU RoHS Compliance Date (mm/dd/yyyy):</td>
<td>01/01/2004</td>
</tr>
<tr>
<td>EU Directive 2002/96/EC (WEEE);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Directive 2003/11/EC (BFR);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Directive 2003/11/EC (BFR);</td>
<td>Yes</td>
</tr>
<tr>
<td>EU Directive 2003/11/EC (BFR);</td>
<td>Yes</td>
</tr>
</tbody>
</table>
**9272 Twinax - Twinaxial Cable**

**CA Prop 65 (CJ for Wire & Cable):** Yes

**MII Order #39 (China RoHS):** Yes

**Flame Test**
- **UL Flame Test:** UL1685 UL Loading

**Plenum/Non-Plenum**
- **Plenum (Y/N):** No
- **Plenum Number:** 89272

**Electrical Characteristics (Overall)**

<table>
<thead>
<tr>
<th>Nom. Characteristic Impedance:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance (Ohm)</td>
<td>78</td>
</tr>
</tbody>
</table>

| Nom. Inductance:               |   |
| Inductance (µH/ft)             | .020 |

| Nom. Capacitance Conductor to Conductor: |   |
| Capacitance (pF/ft)              | 19.7 |

| Nominal Velocity of Propagation: |   |
| VP (%)                          | 66 |

| Nominal Delay:                  |   |
| Delay (ns/ft)                   | 1.54 |

| Nom. Conductor DC Resistance:   |   |
| DCR (Ω 20°C (Ohm/1000 ft))     | 9.5 |

| Nominal Outer Shield DC Resistance: |   |
| DCR (Ω 20°C (Ohm/1000 ft))        | 3.4 |

| Nom. Attenuation:                |   |
| Freq. (MHz)                      | Attenuation (dB/100 ft) |
| 1                               | 0.6 |
| 10                              | 2.1 |
| 50                              | 5.0 |
| 100                             | 7.5 |
| 200                             | 11.0 |
| 400                             | 18.0 |

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

**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>9272 008U1000</td>
<td>1,000 FT</td>
<td>39.000 LB</td>
<td>BLUE, LIGHT</td>
<td>C</td>
<td>78 OHM TWINAX</td>
</tr>
<tr>
<td>9272 008U500</td>
<td>500 FT</td>
<td>20.000 LB</td>
<td>BLUE, LIGHT</td>
<td></td>
<td>78 OHM TWINAX</td>
</tr>
<tr>
<td>9272 008100</td>
<td>100 FT</td>
<td>4.500 LB</td>
<td>BLUE, LIGHT</td>
<td></td>
<td>78 OHM TWINAX</td>
</tr>
<tr>
<td>9272 0081000</td>
<td>1,000 FT</td>
<td>41.000 LB</td>
<td>BLUE, LIGHT</td>
<td>C</td>
<td>78 OHM TWINAX</td>
</tr>
<tr>
<td>9272 008500</td>
<td>500 FT</td>
<td>20.500 LB</td>
<td>BLUE, LIGHT</td>
<td>C</td>
<td>78 OHM TWINAX</td>
</tr>
</tbody>
</table>

**Notes:**
- C = CRATE REEL PUT-UP.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).