**Product:** 9207

100Ω Twinax, 1 Pr #20 Str-1c TC/1c BC, PE Jkt, Dufoil®+TC Braid, PVC Jkt, CMG

**Product Description**
Twinax 100Ω, 1 Pair, 20 AWG (7x28) one tinned copper, one bare copper conductor, polyethylene insulation, polyethylene inner jacket, Dufoil® (100% coverage) + a tinned copper braid shield (85% coverage), PVC outer jacket, CMG

**Technical Specifications**

**Product Overview**

| Suitable Applications | Computer, Instrumentation |

**Construction Details**

**Conductor**

<table>
<thead>
<tr>
<th>Size</th>
<th>Stranding</th>
<th>Nom. Diameter</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 AWG</td>
<td>7x28</td>
<td>0.036 in</td>
<td>TC - Tinned Copper</td>
</tr>
<tr>
<td>20 AWG</td>
<td>7x28</td>
<td>0.036 in</td>
<td>BC - Bare Copper</td>
</tr>
</tbody>
</table>

**Insulation**

<table>
<thead>
<tr>
<th>Material</th>
<th>Nom. Insulation Diameter</th>
<th>Color Code</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE - Polyethylene</td>
<td>0.083 in (2.1 mm)</td>
<td>Clear</td>
<td>PE on both conductors</td>
</tr>
<tr>
<td>PE - Polyethylene</td>
<td>0.236 in (5.99 mm)</td>
<td>Clear</td>
<td>PE over pair</td>
</tr>
</tbody>
</table>

**Inner Jacket**

<table>
<thead>
<tr>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE - Polyethylene</td>
</tr>
</tbody>
</table>

**Outer Shield**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Outer Shield Type</th>
<th>Material</th>
<th>Material Trade Name</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tape</td>
<td>Tri-Laminate (Alum+Poly+Alum)</td>
<td>Dufoil®</td>
<td>100%</td>
</tr>
<tr>
<td>2</td>
<td>Braid</td>
<td>Tinned Copper (TC)</td>
<td></td>
<td>85%</td>
</tr>
</tbody>
</table>

**Outer Jacket**

<table>
<thead>
<tr>
<th>Material</th>
<th>Nom. Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
<td>0.330 in (8.38 mm)</td>
</tr>
</tbody>
</table>

**Electrical Characteristics**

**Attenuation**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Nom. Attenuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz</td>
<td>0.30 dB/100ft</td>
</tr>
<tr>
<td>10 MHz</td>
<td>1.20 dB/100ft</td>
</tr>
<tr>
<td>50 MHz</td>
<td>2.80 dB/100ft</td>
</tr>
<tr>
<td>100 MHz</td>
<td>4.10 dB/100ft</td>
</tr>
<tr>
<td>200 MHz</td>
<td>6.40 dB/100ft</td>
</tr>
<tr>
<td>400 MHz</td>
<td>10.20 dB/100ft</td>
</tr>
</tbody>
</table>

**Electricals**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Voltage

| UL Voltage Rating | 300 V (CMG) |

Mechanical Characteristics

Temperature

<table>
<thead>
<tr>
<th>UL Temperature</th>
<th>Operating</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°C</td>
<td>-30°C to +75°C</td>
</tr>
</tbody>
</table>

Bend Radius

| Installation Min. | 3.5 in |

| Max. Pull Tension | 112 lbs (50.8 kg) |
| Bulk Cable Weight | 60 lbs/1000ft |

Standards and Compliance

Environmental Suitability: Indoor/Outdoor, Indoor
Sustainability: CA Prop 65
Flammability / Reaction to Fire: UL1685 FT4 Loading, FT4
NEC / UL Compliance: CL2, CMG
CEC / C(UL) Compliance: CMG
APAC Compliance: China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s): IBM Part No. 7362211
Plenum Number: 89207

History

Update and Revision: Revision Number: 0.311 Revision Date: 10-27-2021

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>9207 010100</td>
<td>Black</td>
<td>Reel</td>
<td>100 ft</td>
<td>612825225270</td>
</tr>
<tr>
<td>9207 010500</td>
<td>Black</td>
<td>Reel</td>
<td>500 ft</td>
<td>612825225324</td>
</tr>
<tr>
<td>9207 010U500</td>
<td>Black</td>
<td>UnReel</td>
<td>500 ft</td>
<td>612825225263</td>
</tr>
<tr>
<td>9207 0101000</td>
<td>Black</td>
<td>Reel</td>
<td>1,000 ft</td>
<td>612825225287</td>
</tr>
<tr>
<td>9207 0101640</td>
<td>Black</td>
<td>Reel</td>
<td>1,640 ft</td>
<td>612825225294</td>
</tr>
<tr>
<td>9207 0103280</td>
<td>Black</td>
<td>Reel</td>
<td>3,280 ft</td>
<td>612825225317</td>
</tr>
<tr>
<td>9207 0105000</td>
<td>Black</td>
<td>Reel</td>
<td>5,000 ft</td>
<td>612825225331</td>
</tr>
</tbody>
</table>

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