Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

Portfolio
CommScope®

Product Type
Twisted pair cable

General Specifications

Product Number
2010B

ANSI/TIA Category
3

Cable Component Type
Horizontal

Cable Type
U/UTP (unshielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Jacket Color
White

Pairs, quantity
4

Transmission Standards
ANSI/TIA-568.2-D

Dimensions

Cable Length
304.8 m | 1000 ft

Diameter Over Jacket, nominal
4.597 mm | 0.181 in

Jacket Thickness
0.457 mm | 0.018 in

Conductor Gauge, singles
24 AWG

Cross Section Drawing
### Electrical Specifications

<table>
<thead>
<tr>
<th>Characteristic Impedance</th>
<th>100 ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristic Impedance Tolerance</td>
<td>±15 ohm</td>
</tr>
<tr>
<td>dc Resistance Unbalance, maximum</td>
<td>5 %</td>
</tr>
<tr>
<td>dc Resistance, maximum</td>
<td>9.38 ohms/100 m</td>
</tr>
<tr>
<td></td>
<td>2.859 ohms/100 ft</td>
</tr>
<tr>
<td>Dielectric Strength, minimum</td>
<td>1500 Vac</td>
</tr>
<tr>
<td></td>
<td>2500 Vdc</td>
</tr>
<tr>
<td>Mutual Capacitance at Frequency</td>
<td>6.6 nF/100 m @ 1 kHz</td>
</tr>
<tr>
<td>Operating Frequency, maximum</td>
<td>16 MHz</td>
</tr>
<tr>
<td>Operating Voltage, maximum</td>
<td>80 V</td>
</tr>
<tr>
<td>Safety Voltage Rating</td>
<td>300 V</td>
</tr>
</tbody>
</table>

### Material Specifications

- **Conductor Material**: Bare copper
- **Insulation Material**: PVC
- **Jacket Material**: PVC

### Mechanical Specifications

- **Pulling Tension, maximum**: 11.34 kg | 25 lb

### Environmental Specifications

- **Installation temperature**: 0 °C to +60 °C (+32 °F to +140 °F)
- **Operating Temperature**: -20 °C to +60 °C (-4 °F to +140 °F)
- **Environmental Space**: Plenum
Flame Test Method  |  CMP/FT6
Smoke Test Method  |  CMP/FT6

Packaging and Weights

| Cable weight | 28.275 kg/km  | 19 lb/kft |
| Packaging Type | WE TOTE® box |

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
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<tr>
<td>ROHS</td>
<td>Compliant</td>
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