RG 6 Type 60% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

Portfolio: CommScope®
Product Type: Coaxial video cable
Regional Availability: Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

- Construction Type: Non-armored
- Center Conductor Material: Copper-clad steel wire
- Dielectric Material: Foam FEP
- Shield (Braid) Coverage: 60%
- Shield (Braid) Gauge: 34 AWG
- Shield (Braid) Material: Aluminum
- Shield (Tape) Material: Aluminum/Poly
- Jacket Material: PVC

Dimensions

- Cable Length: 305 m | 1000 ft
- Cable Weight: 26.00 lb/kft
- Diameter Over Dielectric: 4.3180 mm | 0.1700 in
- Diameter Over Jacket Tolerance: ±0.006 in
- Diameter Over Jacket, nominal: 6.071 mm | 0.239 in
- Diameter Over Shield (Tape): 4.521 mm | 0.178 in
- Jacket Thickness: 0.381 mm | 0.015 in
- Jacket Thickness, minimum spot: 0.254 mm | 0.010 in

Electrical Specifications

- Capacitance: 50.9 pF/m | 15.5 pF/ft
- Characteristic Impedance: 75 ohm
- Characteristic Impedance Tolerance: ±3 ohm
- Conductor dc Resistance: 28.60 ohms/kft
- Dielectric Strength, conductor to shield: 2000 Vdc
- Jacket Spark Test Voltage: 2500 Vac
- Nominal Velocity of Propagation (NVP): 84 %
- Shield dc Resistance: 9.00 ohms/kft
- Structural Return Loss: 15 dB @ 1000–3000 MHz | 20 dB @ 5–1000 MHz
- Structural Return Loss Test Method: 100% Swept Tested
Environmental Specifications

Environmental Space: Plenum
Flame Test Method: CMP
Safety Standard: cETL | ETL
UL Temperature Rating: 60 °C | 140 °F

General Specifications

Cable Type: Series 6
Jacket Color: White
Supported Application: Video
Product Number: 2275V
Center Conductor Gauge: 18 AWG
Center Conductor Type: Solid
Packaging Type: Reel

Mechanical Specifications

Minimum Bend Radius, loaded: 20 times
Minimum Bend Radius, unloaded: 10 times

Electrical Performance

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Attenuation (dB/100 m)</th>
<th>Attenuation (dB/100 ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz</td>
<td>1.25</td>
<td>0.38</td>
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<tr>
<td>10 MHz</td>
<td>2.30</td>
<td>0.70</td>
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<tr>
<td>50 MHz</td>
<td>4.85</td>
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<td>100 MHz</td>
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<td>2.01</td>
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<tr>
<td>200 MHz</td>
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<td>2.86</td>
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<tr>
<td>400 MHz</td>
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<td>4.23</td>
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<tr>
<td>700 MHz</td>
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<td>5.96</td>
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<tr>
<td>900 MHz</td>
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<tr>
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<tr>
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<tr>
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<tr>
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<tr>
<td>3000 MHz</td>
<td>42.87</td>
<td>13.07</td>
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</table>

Regulatory Compliance/Certifications

Agency: RoHS 2011/65/EU
Classification: Compliant
Classification: Designed, manufactured and/or distributed under this quality management system