RG 11 Type 60% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

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

Portfolio
CommScope®

Product Type
Coaxial video cable

General Specifications

Product Number
2285V

Cable Type
Series 11

Center Conductor Type
Solid

Construction Type
Non-armored

Jacket Color
White

Supported Application
Video

Dimensions

Cable Length
304.8 m | 1000 ft

Diameter Over Center Conductor, specific
0.0641 in per 1 strand

Diameter Over Dielectric
7.061 mm | 0.278 in

Diameter Over Jacket Tolerance
±0.008 in

Diameter Over Jacket, nominal
8.407 mm | 0.331 in

Diameter Over Shield (Braid)
7.595 mm | 0.299 in

Diameter Over Shield (Tape)
7.214 mm | 0.284 in

Jacket Thickness
0.432 mm | 0.017 in

Jacket Thickness, minimum spot
0.305 mm | 0.012 in

Center Conductor Gauge
14 AWG

Shield (Braid) Gauge
36 AWG

Electrical Specifications

Capacitance
52.493 pF/m | 16 pF/ft

Characteristic Impedance
75 ohm

Characteristic Impedance Tolerance
±3 ohm
Conductor dc Resistance 36.089 ohms/km  |  11 ohms/kft
Dielectric Strength, conductor to shield 4000 Vdc
Jacket Spark Test Voltage 5000 Vac
Nominal Velocity of Propagation (NVP) 86 %
Shield dc Resistance 11.483 ohms/km  |  3.5 ohms/kft
Structural Return Loss 15 dB @ 1000–3000 MHz  |  20 dB @ 5–1000 MHz
Structural Return Loss Test Method 100% Swept Tested

Attenuation

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Attenuation (dB/100 m)</th>
<th>Attenuation (dB/100 ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>0.49</td>
<td>0.15</td>
</tr>
<tr>
<td>10.0</td>
<td>1.48</td>
<td>0.45</td>
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<tr>
<td>50.0</td>
<td>2.95</td>
<td>0.9</td>
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<tr>
<td>100.0</td>
<td>4.2</td>
<td>1.28</td>
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<tr>
<td>200.0</td>
<td>6.07</td>
<td>1.85</td>
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<tr>
<td>400.0</td>
<td>9.02</td>
<td>2.75</td>
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<td>700.0</td>
<td>12.86</td>
<td>3.92</td>
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<tr>
<td>900.0</td>
<td>15.48</td>
<td>4.72</td>
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<tr>
<td>1000.0</td>
<td>16.53</td>
<td>5.04</td>
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<tr>
<td>1450.0</td>
<td>21.88</td>
<td>6.67</td>
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<td>1800.0</td>
<td>25.29</td>
<td>7.71</td>
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<tr>
<td>2200.0</td>
<td>27.88</td>
<td>8.5</td>
</tr>
<tr>
<td>3000.0</td>
<td>32.41</td>
<td>9.88</td>
</tr>
</tbody>
</table>

Material Specifications

Center Conductor Material Copper-clad steel wire
Dielectric Material Foam FEP
Jacket Material PVC
Shield (Braid) Coverage 60 %
Shield (Braid) Material Tinned copper
Shield (Tape) Material Aluminum/Poly

Mechanical Specifications

Minimum Bend Radius, loaded, times 20 times
Minimum Bend Radius, unloaded, times 10 times
### Environmental Specifications

<table>
<thead>
<tr>
<th>Environmental Space</th>
<th>Plenum</th>
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</thead>
<tbody>
<tr>
<td>Temperature Rating, UL</td>
<td>75 °C</td>
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<tr>
<td>Flame Test Method</td>
<td>CMP</td>
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<tr>
<td>Safety Standard</td>
<td>ETL</td>
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</tbody>
</table>

### Packaging and Weights

| Cable weight          | 83.337 kg/km | 56 lb/kft |
|-----------------------|--------------|
| Packaging Type        | Reel         |

### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<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>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
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[ISO 9001:2015 logo]