RG 11 Type Quad Shield 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
- Inner Shield (Braid) Coverage: 60 %
- Inner Shield (Braid) Gauge: 36 AWG
- Inner Shield (Braid) Material: Tinned copper
- Inner Shield (Tape) Material: Aluminum/Poly
- Outer Shield (Braid) Coverage: 50 %
- Outer Shield (Braid) Gauge: 36 AWG
- Outer Shield (Braid) Material: Tinned copper
- Outer Shield (Tape) Material: Aluminum/Poly, non-bonded
- Jacket Material: PVC

Dimensions

- Cable Length: 305 m | 1000 ft
- Cable Weight: 69.00 lb/kft
- Diameter Over Center Conductor, specific: 0.0641 in per 1 strand
- Diameter Over Dielectric: 7.0612 mm | 0.2780 in
- Diameter Over Inner Shield (Tape): 7.214 mm | 0.284 in
- Diameter Over Jacket Tolerance: ±0.008 in
- Diameter Over Jacket, nominal: 9.042 mm | 0.356 in
- Jacket Thickness: 0.432 mm | 0.017 in
- Jacket Thickness, minimum spot: 0.305 mm | 0.012 in
- Diameter Over Inner Shield (Braid): 7.595 mm | 0.299 in
- Diameter Over Outer Shield (Braid): 8.204 mm | 0.323 in

Electrical Specifications

- Capacitance: 52.5 pF/m | 16.0 pF/ft
- Characteristic Impedance: 75 ohm
- Characteristic Impedance Tolerance: ±3 ohm
Conductor dc Resistance 11.00 ohms/kft
Dielectric Strength, conductor to shield 4000 Vdc
Jacket Spark Test Voltage 2500 Vac
Nominal Velocity of Propagation (NVP) 86 %
Shield dc Resistance 1.70 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 75 °C | 167 °F

General Specifications

Cable Type Series 11
Jacket Color White
Supported Application Video
Product Number 2287V
Center Conductor Gauge 14 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 ft)</th>
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<tbody>
<tr>
<td>1 MHz</td>
<td>0.15</td>
</tr>
<tr>
<td>10 MHz</td>
<td>0.45</td>
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<td>3000 MHz</td>
<td>9.88</td>
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## Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
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<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant</td>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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