RG 11 Type Quad Shield 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  
2287V

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 Inner Shield (Braid)  
7.595 mm | 0.299 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

Diameter Over Outer Shield (Braid)  
8.204 mm | 0.323 in

Jacket Thickness  
0.432 mm | 0.017 in

Jacket Thickness, minimum spot  
0.305 mm | 0.012 in

Center Conductor Gauge  
14 AWG

Inner Shield (Braid) Gauge  
36 AWG

Outer 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: 2500 Vac
Nominal Velocity of Propagation (NVP): 86 %
Shield dc Resistance: 5.577 ohms/km | 1.7 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 ft)</th>
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<tbody>
<tr>
<td>1.0</td>
<td>0.15</td>
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<tr>
<td>10.0</td>
<td>0.45</td>
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<tr>
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<td>3000.0</td>
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</tbody>
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### Material Specifications

- **Center Conductor Material**: Copper-clad steel wire
- **Dielectric Material**: Foam FEP
- **Jacket Material**: PVC
- **Inner Shield (Braid) Coverage**: 60%
- **Inner Shield (Braid) Material**: Tinned copper
- **Inner Shield (Tape) Material**: Aluminum/Poly
- **Outer Shield (Braid) Coverage**: 50%
### Outer Shield (Braid) Material
Tinned copper

### Outer Shield (Tape) Material
Aluminum/Poly, non-bonded

### Mechanical Specifications
- **Minimum Bend Radius, loaded, times**: 20 times
- **Minimum Bend Radius, unloaded, times**: 10 times

### Environmental Specifications
- **Environmental Space**: Plenum
- **Temperature Rating, UL**: 75 °C | 167 °F
- **Flame Test Method**: CMP
- **Safety Standard**: ETL | cETL

### Packaging and Weights
- **Cable weight**: 102.683 kg/km | 69 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>
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<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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