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
2287K

#### 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
7.112 mm | 0.28 in

#### Diameter Over Inner Shield (Braid)
7.925 mm | 0.312 in

#### Diameter Over Inner Shield (Tape)
7.112 mm | 0.28 in

#### Diameter Over Jacket Tolerance
±0.008 in

#### Diameter Over Jacket, nominal
9.449 mm | 0.372 in

#### Diameter Over Outer Shield (Braid)
8.433 mm | 0.332 in

#### Jacket Thickness
0.508 mm | 0.02 in

#### Jacket Thickness, minimum spot
0.406 mm | 0.016 in

#### Center Conductor Gauge
14 AWG

#### Inner Shield (Braid) Gauge
34 AWG

#### Outer Shield (Braid) Gauge
34 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): 84 %
Shield dc Resistance: 12.795 ohms/km | 3.9 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>
<td>50.0</td>
<td>0.9</td>
</tr>
<tr>
<td>100.0</td>
<td>1.28</td>
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<tr>
<td>200.0</td>
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<td>3000.0</td>
<td>9.88</td>
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Material Specifications

Center Conductor Material: Copper-clad steel wire
Dielectric Material: Foam FEP
Jacket Material: PVDF
Inner Shield (Braid) Coverage: 60 %
Inner Shield (Braid) Material: Aluminum
Inner Shield (Tape) Material: Aluminum/Poly
Outer Shield (Braid) Coverage: 40 %
### Outer Shield (Braid) Material
Aluminum

### 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**: 125 °C | 257 °F
- **Flame Test Method**: CMP
- **Safety Standard**: ETL | cETL

### Packaging and Weights
- **Cable weight**: 93.754 kg/km | 63 lb/kft
- **Packaging Type**: Reel

### Regulatory Compliance/Certifications
<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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