RG 11 Type 95% Braid Plenum Video Security 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**
Bare copper

**Dielectric Material**
Foam FEP

**Shield (Braid) Coverage**
95%

**Shield (Braid) Gauge**
34 AWG

**Shield (Braid) Material**
Bare copper

**Jacket Material**
PVC

Dimensions

**Cable Length**
305 m | 1000 ft

**Cable Weight**
76.00 lb/kft

**Diameter Over Center Conductor, specific**
0.0641 in per 1 strand

**Diameter Over Dielectric**
7.0612 mm | 0.2780 in

**Diameter Over Jacket Tolerance**
±0.006 in

**Diameter Over Jacket, nominal**
8.661 mm | 0.341 in

**Diameter Over Shield (Tape)**
7.747 mm | 0.305 in

**Jacket Thickness**
0.457 mm | 0.018 in

**Jacket Thickness, minimum spot**
0.305 mm | 0.012 in

Electrical Specifications

**Capacitance**
52.5 pF/m | 16.0 pF/ft

**Characteristic Impedance**
75 ohm

**Characteristic Impedance Tolerance**
±3 ohm

**Conductor dc Resistance**
2.90 ohms/kft

**Dielectric Strength, conductor to shield**
4000 Vdc

**Jacket Spark Test Voltage**
5000 Vac

**Nominal Velocity of Propagation (NVP)**
84%

**Shield dc Resistance**
2.50 ohms/kft

**Structural Return Loss**
20 dB @ 10–300 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: Security/CCTV
Product Number: 2286V
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>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz</td>
<td>0.09</td>
</tr>
<tr>
<td>10 MHz</td>
<td>0.43</td>
</tr>
<tr>
<td>50 MHz</td>
<td>1.07</td>
</tr>
<tr>
<td>100 MHz</td>
<td>1.48</td>
</tr>
<tr>
<td>200 MHz</td>
<td>2.15</td>
</tr>
<tr>
<td>400 MHz</td>
<td>3.24</td>
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<tr>
<td>700 MHz</td>
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<tr>
<td>900 MHz</td>
<td>5.46</td>
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<tr>
<td>1000 MHz</td>
<td>5.83</td>
</tr>
<tr>
<td>1450 MHz</td>
<td>7.49</td>
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<tr>
<td>1800 MHz</td>
<td>8.49</td>
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Regulatory Compliance/Certifications

Classification: Compliant, Designed, manufactured and/or distributed under this quality management system