RG 11 Type Quad Shield Non-Plenum Video Coaxial Cable, black 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 PE
Inner Shield (Braid) Coverage: 60 %
Inner Shield (Braid) Gauge: 34 AWG
Inner Shield (Braid) Material: Aluminum
Inner Shield (Tape) Material: Aluminum/Poly
Outer Shield (Braid) Coverage: 40 %
Outer Shield (Braid) Gauge: 34 AWG
Outer Shield (Braid) Material: Aluminum
Outer Shield (Tape) Material: Aluminum/Poly, non-bonded
Jacket Material: PVC

Dimensions

Cable Length: 305 m | 1000 ft
Cable Weight: 59.00 lb/kft
Diameter Over Center Conductor, specific: 0.0641 in per 1 strand
Diameter Over Dielectric: 7.1120 mm | 0.2800 in
Diameter Over Jacket Tolerance: ±0.010 mm
Diameter Over Jacket, nominal: 10.287 mm | 0.405 in
Jacket Thickness: 0.889 mm | 0.035 in
Jacket Thickness, minimum spot: 0.711 mm | 0.028 in
Diameter Over Inner Shield (Braid): 7.899 mm | 0.311 in
Diameter Over Outer Shield (Braid): 8.433 mm | 0.332 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

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### Dielectric Strength, conductor to shield
- 4000 Vdc

### Jacket Spark Test Voltage
- 5000 Vac

### Nominal Velocity of Propagation (NVP)
- 84 %

### Shield dc Resistance
- 3.70 ohms/kft

### Structural Return Loss
- 15 dB @ 1000–3000 MHz
- 20 dB @ 450–1000 MHz
- 22 dB @ 1–450 MHz

### Structural Return Loss Test Method
- 100% Swept Tested

### Environmental Specifications
- **Environmental Space**: Non-plenum
- **Flame Test Method**: CM
- **Safety Standard**: cETL | ETL
- **UL Temperature Rating**: 75 °C | 167 °F

### General Specifications
- **Cable Type**: Series 11
- **Jacket Color**: Black
- **Supported Application**: Video
- **Product Number**: 5940
- **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>0.17</td>
</tr>
<tr>
<td>10 MHz</td>
<td>0.45</td>
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<tr>
<td>50 MHz</td>
<td>0.89</td>
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<tr>
<td>100 MHz</td>
<td>1.21</td>
</tr>
<tr>
<td>200 MHz</td>
<td>1.68</td>
</tr>
<tr>
<td>400 MHz</td>
<td>2.37</td>
</tr>
<tr>
<td>700 MHz</td>
<td>3.27</td>
</tr>
<tr>
<td>900 MHz</td>
<td>3.77</td>
</tr>
<tr>
<td>1000 MHz</td>
<td>3.95</td>
</tr>
<tr>
<td>1200 MHz</td>
<td>4.46</td>
</tr>
<tr>
<td>1450 MHz</td>
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<tr>
<td>1800 MHz</td>
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<tr>
<td>2200 MHz</td>
<td>6.29</td>
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<tr>
<td>2500 MHz</td>
<td>6.79</td>
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<tr>
<td>3000 MHz</td>
<td>7.58</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>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
</tbody>
</table>

![RoHS and ISO 9001:2015 Certifications Logos]