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: 90%
Shield (Braid) Gauge: 34 AWG
Shield (Braid) Material: Aluminum
Shield (Tape) Material: Aluminum/Poly, bonded
Jacket Material: PVC

Dimensions

Cable Length: 305 m | 1000 ft
Cable Weight: 28.00 lb/kft
Diameter Over Center Conductor Tolerance: ±0.0004 in
Diameter Over Center Conductor, specific: 0.0403 in per 1 strand
Diameter Over Dielectric: 4.3180 mm | 0.1700 in
Diameter Over Jacket Tolerance: ±0.004 in
Diameter Over Jacket, nominal: 6.020 mm | 0.237 in
Diameter Over Shield (Braid): 5.207 mm | 0.205 in
Jacket Thickness: 0.406 mm | 0.016 in
Jacket Thickness, minimum spot: 0.330 mm | 0.013 in

Electrical Specifications

Capacitance: 50.9 pF/m | 15.5 pF/ft
Characteristic Impedance: 75 ohm
Characteristic Impedance Tolerance: ±3 ohm
Conductor dc Resistance: 6.40 ohms/kft
Dielectric Strength, conductor to shield: 2500 Vdc
Jacket Spark Test Voltage: 2500 Vac
Nominal Velocity of Propagation (NVP): 84%
Shield dc Resistance: 6.40 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

Operating Temperature  
-40 °C to +75 °C (−40 °F to +167 °F)

Safety Standard  
cETL | ETL

UL Temperature Rating  
60 °C | 140 °F

General Specifications

Cable Type  
Series 6

Jacket Color  
White

Product Number  
2273V

Center Conductor Gauge  
18 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 m)</th>
<th>Attenuation (dB/100 ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz</td>
<td>0.85</td>
<td>0.26</td>
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<tr>
<td>10 MHz</td>
<td>2.30</td>
<td>0.70</td>
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<tr>
<td>50 MHz</td>
<td>4.85</td>
<td>1.48</td>
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<tr>
<td>100 MHz</td>
<td>6.59</td>
<td>2.01</td>
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<tr>
<td>200 MHz</td>
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<td>2.86</td>
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<tr>
<td>400 MHz</td>
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<tr>
<td>700 MHz</td>
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<tr>
<td>900 MHz</td>
<td>22.83</td>
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<td>3000 MHz</td>
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<td>13.07</td>
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</table>

Regulatory Compliance/Certifications

Agency  
RoHS 2011/65/EU  
ISO 9001:2015

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