AMC-59 75 Ohm Coaxial Cable, black PVC jacket

Product Classification
- Portfolio: CommScope®
- Brand: Auto Mobile Cable™®
- Product Type: Coaxial automotive cable
- Regional Availability: Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials
- Center Conductor Material: Copper-clad steel wire
- Dielectric Material: PE
- Shield (Braid) Coverage: 95 %
- Shield (Braid) Material: Bare copper
- Shield (Tape) Material: No tape
- Jacket Material: PVC

Dimensions
- Cable Length: 1372 m | 4500 ft
- Cable Weight: 37.00 lb/kft
- Diameter Over Center Conductor: 0.5740 mm | 0.0226 in
- Diameter Over Center Conductor Tolerance: ±0.00020 in
- Diameter Over Dielectric: 3.7084 mm | 0.1460 in
- Diameter Over Dielectric Tolerance: ±0.004 in
- Diameter Over Jacket Tolerance: ±0.007 in
- Diameter Over Jacket, nominal: 6.147 mm | 0.242 in
- Diameter Over Outer Shield (Braid): 4.445 mm | 0.175 in

Electrical Specifications
- Capacitance: 68.9 pF/m | 21.0 pF/ft
- Characteristic Impedance: 75 ohm
- Characteristic Impedance Tolerance: ±3 ohm
- Conductor dc Resistance, maximum: 49.00 ohms/kft
- Dielectric Strength at Voltage: 3 s @ 2,000 Vdc
- Jacket Spark Test Voltage: 4000 V
- Shield dc Resistance: 3.00 ohms/kft
- Velocity: 66 %

Environmental Specifications
- Operating Temperature: -40 °C to +85 °C (-40 °F to +185 °F)
General Specifications

Cable Type: AMC-59
Jacket Color: Black
Supported Application: Automotive

Mechanical Specifications

Minimum Bend Radius Note: 5 times the outer cable diameter
Minimum Bend Radius, unloaded: 5 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>1.28</td>
<td>0.39</td>
</tr>
<tr>
<td>10 MHz</td>
<td>3.48</td>
<td>1.06</td>
</tr>
<tr>
<td>50 MHz</td>
<td>8.07</td>
<td>2.46</td>
</tr>
<tr>
<td>100 MHz</td>
<td>11.45</td>
<td>3.49</td>
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<tr>
<td>200 MHz</td>
<td>16.70</td>
<td>5.09</td>
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<td>24.73</td>
<td>7.54</td>
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<tr>
<td>700 MHz</td>
<td>34.57</td>
<td>10.54</td>
</tr>
<tr>
<td>900 MHz</td>
<td>40.28</td>
<td>12.28</td>
</tr>
<tr>
<td>1000 MHz</td>
<td>42.74</td>
<td>13.03</td>
</tr>
</tbody>
</table>

*Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)
*Electrical specifications/performance listed represents values at standard condition of 20 °C (68 °F)

Regulatory Compliance/Certifications

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