AMC-58 Low Loss EZ 1524M | MT8872063/50

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**
Bare copper

**Dielectric Material**
Foam PE

**Shield (Braid) Coverage**
85 %

**Shield (Braid) Material**
Tinned copper

**Shield (Tape) Material**
Aluminum, unbonded

**Jacket Material**
PE

Dimensions

**Cable Length**
1524 m | 5000 ft

**Cable Weight**
22.00 lb/kft

**Diameter Over Center Conductor**
1.0338 mm | 0.0407 in

**Diameter Over Center Conductor Tolerance**
±0.0003 in

**Diameter Over Dielectric**
2.8956 mm | 0.1140 in

**Diameter Over Dielectric Tolerance**
±0.003 in

**Diameter Over Jacket Tolerance**
±0.003 in

**Diameter Over Jacket, nominal**
4.953 mm | 0.195 in

**Diameter Over Shield (Tape)**
3.048 mm | 0.120 in

**Diameter Over Outer Shield (Braid)**
3.708 mm | 0.146 in

Electrical Specifications

**Capacitance**
85.3 pF/m | 26.0 pF/ft

**Characteristic Impedance**
50 ohm

**Characteristic Impedance Tolerance**
±3 ohm

**Conductor dc Resistance**
6.40 ohms/kft

**Dielectric Strength at Voltage**
3 s @ 2,500 Vdc

**Jacket Spark Test Voltage**
2500 V

**Shield dc Resistance**
3.50 ohms/kft

**Velocity**
80 %

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

General Specifications
Cable Type: AMC-58
Jacket Color: Black
Supported Application: Automotive

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>200 MHz</td>
<td>16.10</td>
<td>4.90</td>
</tr>
<tr>
<td>400 MHz</td>
<td>22.70</td>
<td>6.91</td>
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<tr>
<td>500 MHz</td>
<td>25.30</td>
<td>7.71</td>
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<tr>
<td>700 MHz</td>
<td>30.00</td>
<td>9.15</td>
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<tr>
<td>900 MHz</td>
<td>34.10</td>
<td>10.40</td>
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<tr>
<td>1000 MHz</td>
<td>36.00</td>
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<tr>
<td>1200 MHz</td>
<td>39.60</td>
<td>12.07</td>
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<tr>
<td>1400 MHz</td>
<td>42.70</td>
<td>13.03</td>
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<tr>
<td>1600 MHz</td>
<td>46.00</td>
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<td>1800 MHz</td>
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<tr>
<td>1900 MHz</td>
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<tr>
<td>2000 MHz</td>
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<tr>
<td>2300 MHz</td>
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<td>16.80</td>
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<tr>
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<td>56.40</td>
<td>17.20</td>
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<tr>
<td>2500 MHz</td>
<td>57.60</td>
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<tr>
<td>2700 MHz</td>
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<td>18.20</td>
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<tr>
<td>2800 MHz</td>
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<tr>
<td>3000 MHz</td>
<td>63.10</td>
<td>19.20</td>
</tr>
</tbody>
</table>

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

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