



AMC-59 4500' BLACK 1372M | MT4697533/45
AMC-59 75 Ohm Coaxial Cable, black PVC jacket

Product Classification

| | |
|-----------------------|---|
| Portfolio | CommScope® |
| 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 | 6.147 mm 0.242 in |
| Diameter Over Jacket Tolerance | ±0.007 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 | 3 s @ 2000 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

| | |
|--------------|--------------------|
| Application | Automotive |
| Cable Type | AMC-59 |
| Jacket Color | Black |
| Brand | Auto Mobile Cable® |

Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 1 MHz | 1.28 | 0.39 |
| 10 MHz | 3.48 | 1.06 |
| 50 MHz | 8.07 | 2.46 |
| 100 MHz | 11.45 | 3.49 |
| 200 MHz | 16.70 | 5.09 |
| 400 MHz | 24.73 | 7.54 |
| 700 MHz | 34.57 | 10.54 |
| 900 MHz | 40.28 | 12.28 |
| 1000 MHz | 42.74 | 13.03 |

* 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

| Agency | Classification |
|---------------|--|
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |