

## AMC-59 75 Ohm Coaxial Cable, black PVC jacket



### OBSOLETE

This product was discontinued on: April 26, 2022

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Coaxial automotive cable
<b>Product Brand</b>	Auto Mobile Cable®

## General Specifications

<b>Cable Type</b>	AMC-59
<b>Jacket Color</b>	Black
<b>Supported Application</b>	Automotive

## Dimensions

<b>Cable Length</b>	1,371.6 m   4500 ft
<b>Diameter Over Center Conductor</b>	0.574 mm   0.023 in
<b>Diameter Over Center Conductor Tolerance</b>	±0.00020 in
<b>Diameter Over Dielectric</b>	3.708 mm   0.146 in
<b>Diameter Over Dielectric Tolerance</b>	±0.004 in
<b>Diameter Over Jacket, nominal</b>	6.147 mm   0.242 in
<b>Diameter Over Jacket Tolerance</b>	±0.007 in
<b>Diameter Over Outer Shield (Braid)</b>	4.445 mm   0.175 in

## Electrical Specifications

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<b>Capacitance</b>	68.898 pF/m   21 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance, maximum</b>	160.761 ohms/km   49 ohms/kft
<b>Dielectric Strength at Voltage</b>	3 s @ 2,000 Vdc
<b>Jacket Spark Test Voltage</b>	4000 V
<b>Shield dc Resistance</b>	9.843 ohms/km   3 ohms/kft
<b>Velocity</b>	66 %

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	1.28	0.39
10.0	3.48	1.06
50.0	8.07	2.46
100.0	11.45	3.49
200.0	16.7	5.09
400.0	24.73	7.54
700.0	34.57	10.54
900.0	40.28	12.28
1000.0	42.74	13.03

## Material Specifications

<b>Center Conductor Material</b>	Copper-clad steel wire
<b>Dielectric Material</b>	PE
<b>Jacket Material</b>	PVC
<b>Shield (Braid) Coverage</b>	95 %
<b>Shield (Braid) Material</b>	Bare copper
<b>Shield (Tape) Material</b>	No tape

## Mechanical Specifications

<b>Minimum Bend Radius Note</b>	5 times the outer cable diameter
<b>Minimum Bend Radius, unloaded, times</b>	5 times

## Environmental Specifications

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**Operating Temperature**

-40 °C to +85 °C (-40 °F to +185 °F)

## Packaging and Weights

**Cable weight**

55.062 kg/km | 37 lb/kft

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

