

# AMC-71 MOD DCB 1372M | MT4282534/45

AMC-71 125 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-71
<b>Jacket Color</b>	Black
<b>Supported Application</b>	Automotive

## Dimensions

<b>Diameter Over Center Conductor</b>	0.361 mm   0.014 in
<b>Diameter Over Center Conductor Tolerance</b>	±0.00015 in
<b>Diameter Over Dielectric</b>	3.708 mm   0.146 in
<b>Diameter Over Dielectric Tolerance</b>	±0.005 in
<b>Diameter Over Jacket, nominal</b>	6.223 mm   0.245 in
<b>Diameter Over Jacket Tolerance</b>	±0.007 in
<b>Diameter Over Outer Shield (Braid)</b>	5.004 mm   0.197 in
<b>Jacket Thickness</b>	0.508 mm   0.02 in

## Electrical Specifications

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<b>Capacitance</b>	31.168 pF/m   9.5 pF/ft
<b>Capacitance Tolerance</b>	±0.75 pF/ft
<b>Characteristic Impedance</b>	125 ohm
<b>Characteristic Impedance Tolerance</b>	±10 ohm
<b>Conductor dc Resistance</b>	406.824 ohms/km   124 ohms/kft
<b>Conductor dc Resistance, maximum</b>	429.79 ohms/km   131 ohms/kft
<b>Dielectric Strength at Voltage</b>	3 s @ 2,500 Vdc
<b>Jacket Spark Test Voltage</b>	2000 V
<b>Operating Frequency, maximum</b>	3000 MHz
<b>Shield dc Resistance</b>	4.528 ohms/km   1.38 ohms/kft
<b>Velocity</b>	86 %

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50.0	8.2	2.5
88.7	11.45	3.49
100.0	12.3	3.75
108.0	12.88	3.93
170.0	16.99	5.18
200.0	18.8	5.73

## Material Specifications

<b>Center Conductor Material</b>	Copper-clad steel wire
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PVC
<b>Inner Shield (Braid) Coverage</b>	94 %
<b>Outer Shield (Braid) Coverage</b>	88 %
<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

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## Environmental Specifications

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

## Packaging and Weights

**Cable weight** 61.015 kg/km | 41 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

