

4698233/45 | AMC-59 Flex

AMC-59 Stranded Conductor 75 Ohm Coaxial Cable, black PVC jacket with co-extruded orange stripe



OBSOLETE

This product was discontinued on: April 26, 2022

Product Classification

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

General Specifications

Cable Type	AMC-59
Jacket Color	Black with co-extruded orange stripe
Supported Application	Automotive

Dimensions

Cable Length	1,371.6 m 4500 ft
Diameter Over Center Conductor	0.762 mm 0.03 in
Diameter Over Center Conductor Tolerance	±0.0003 in
Diameter Over Dielectric	3.658 mm 0.144 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket, nominal	6.147 mm 0.242 in
Diameter Over Jacket Tolerance	±0.005 in
Diameter Over Outer Shield (Braid)	4.445 mm 0.175 in

Electrical Specifications

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Capacitance	59.055 pF/m 18 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	54.134 ohms/km 16.5 ohms/kft
Dielectric Strength at Voltage	3 s @ 2,000 Vdc
Jacket Spark Test Voltage	2500 V
Shield dc Resistance	15.748 ohms/km 4.8 ohms/kft
Velocity	80 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10.0	3.25	0.99
50.0	7.58	2.31
100.0	10.82	3.3
200.0	16.2	4.94
400.0	23.81	7.26
700.0	32.11	9.79
900.0	36.44	11.11
1000.0	39.33	11.99

Material Specifications

Center Conductor Material	Stranded copper wire
Dielectric Material	Foam PE
Jacket Material	PVC
Shield (Braid) Coverage	95 %
Shield (Braid) Material	Bare copper
Shield (Tape) Material	No tape

Mechanical Specifications

Minimum Bend Radius Note	5 times the outer cable diameter
Minimum Bend Radius, unloaded, times	5 times

Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
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Packaging and Weights

Cable weight

55.062 kg/km | 37 lb/kft

Regulatory Compliance/Certifications

Agency**Classification**

ISO 9001:2015

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

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant

