

4697533/45 | AMC-59 4500' BLACK

AMC-59 75 Ohm Coaxial Cable, black PVC jacket



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
Supported Application	Automotive

Dimensions

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

Electrical Specifications

Capacitance	68.898 pF/m 21 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance, maximum	160.761 ohms/km 49 ohms/kft

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Dielectric Strength at Voltage	3 s @ 2,000 Vdc
Jacket Spark Test Voltage	4000 V
Shield dc Resistance	9.843 ohms/km 3 ohms/kft
Velocity	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

Center Conductor Material	Copper-clad steel wire
Dielectric Material	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
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Regulatory Compliance/Certifications

Agency

ISO 9001:2015

REACH-SVHC

ROHS

Classification

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

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

Compliant

