

4671263/50 | AMC-58 Stranded

AMC-58 Stranded 50 Ohm Coaxial Cable, black PE 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-58
Jacket Color	Black
Supported Application	Automotive

Dimensions

Cable Length	1524 m 5000 ft
Diameter Over Center Conductor	0.953 mm 0.038 in
Diameter Over Center Conductor Tolerance	±0.0005 in
Diameter Over Dielectric	2.896 mm 0.114 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket Tolerance	±0.005 in
Diameter Over Jacket, nominal	4.902 mm 0.193 in
Diameter Over Outer Shield (Braid)	3.404 mm 0.134 in

Electrical Specifications

Capacitance	104.987 pF/m 32 pF/ft
Characteristic Impedance	50 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance, maximum	34.449 ohms/km 10.5 ohms/kft

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Dielectric Strength at Voltage	3 s @ 2,000 Vdc
Jacket Spark Test Voltage	2500 V
Shield dc Resistance	14.37 ohms/km 4.38 ohms/kft
Velocity	66 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	1.48	0.45
10.0	5.38	1.64
50.0	12.33	3.76
100.0	17.88	5.45
200.0	26.11	7.96
400.0	38.87	11.85
700.0	55.07	16.79
900.0	64.52	19.67
1000.0	69.4	21.16

Material Specifications

Center Conductor Material	Stranded tinned copper wire
Dielectric Material	PE
Jacket Material	PE
Shield (Braid) Coverage	96 %
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	No tape

Environmental Specifications

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

Cable weight	33.647 kg/km 22.61 lb/kft
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Regulatory Compliance/Certifications

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

