Product Specifications





AMC-58 Stranded | 4671263/50

AMC-58 Stranded 50 Ohm Coaxial Cable, black PE jacket

Product Classification

Portfolio CommScope®

Product Type Coaxial automotive cable

Regional Availability Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

Center Conductor Material Stranded tinned copper wire

Dielectric Material PE Shield (Braid) Coverage 96 %

Shield (Braid) Material Tinned copper Shield (Tape) Material No tape Jacket Material PE

Dimensions

Cable Length 1524 m | 5000 ft

Cable Weight 22.61 lb/kft

Diameter Over Center Conductor 0.9525 mm | 0.0375 in

Diameter Over Center Conductor Tolerance ±0.0005 in

Diameter Over Dielectric 2.8956 mm | 0.1140 in

Diameter Over Dielectric Tolerance ±0.004 in

Diameter Over Jacket 4.902 mm | 0.193 in

Diameter Over Jacket Tolerance ± 0.005 in

Diameter Over Outer Shield (Braid) 3.404 mm | 0.134 in

Electrical Specifications

Capacitance 105.0 pF/m | 32.0 pF/ft

Characteristic Impedance 50 ohm
Characteristic Impedance Tolerance ±3 ohm

Conductor dc Resistance, maximum 10.50 ohms/kft Dielectric Strength 3 s @ 2000 Vdc

Jacket Spark Test Voltage 2500 V

Shield dc Resistance 4.38 ohms/kft

Velocity 66 %

Environmental Specifications

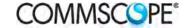
Operating Temperature $-40 \, ^{\circ}\text{C}$ to $+85 \, ^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+185 \, ^{\circ}\text{F}$)

General Specifications

Application Automotive
Cable Type AMC-58
Jacket Color Black

Brand Auto Mobile Cable®

Product Specifications



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Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	1.48	0.45
10 MHz	5.38	1.64
50 MHz	12.33	3.76
100 MHz	17.88	5.45
200 MHz	26.11	7.96
400 MHz	38.87	11.85
700 MHz	55.07	16.79
900 MHz	64.52	19.67
1000 MHz	69.40	21.16

^{*} Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system

^{*} Electrical specifications/performance listed represents values at standard condition of 20 °C (68 °F)