



## 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 °C to +85 °C (-40 °F to +185 °F)
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### General Specifications

Application	Automotive
Cable Type	AMC-58
Jacket Color	Black
Brand	Auto Mobile Cable®

## 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)

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## Regulatory Compliance/Certifications

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