

**AMC-58 Low Loss EZ | 8872063/50****AMC-58 Low Loss EZ 50 Ohm Coaxial Cable, black PE jacket**

## Construction Materials

Center Conductor Material	Bare copper
Dielectric Material	Foam PE
Shield (Braid) Coverage	85 %
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum, unbonded
Jacket Material	PE

## Dimensions

Cable Length	1524 m   5000 ft
Cable Weight	22.00 lb/kft
Diameter Over Center Conductor	1.0338 mm   0.0407 in
Diameter Over Center Conductor Tolerance	±0.0003 in
Diameter Over Dielectric	2.8956 mm   0.1140 in
Diameter Over Dielectric Tolerance	±0.003 in
Diameter Over Jacket	4.953 mm   0.195 in
Diameter Over Jacket Tolerance	±0.003 in
Diameter Over Shield (Tape)	3.048 mm   0.120 in
Diameter Over Outer Shield (Braid)	3.708 mm   0.146 in

## Electrical Specifications

Capacitance	85.3 pF/m   26.0 pF/ft
Characteristic Impedance	50 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	6.40 ohms/kft
Dielectric Strength	3 s @ 2500 Vdc
Jacket Spark Test Voltage	2500 V
Shield dc Resistance	3.50 ohms/kft
Velocity	80 %

## 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)
200 MHz	16.10	4.90

# Product Specifications



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400 MHz	22.70	6.91
500 MHz	25.30	7.71
700 MHz	30.00	9.15
900 MHz	34.10	10.40
1000 MHz	36.00	10.97
1200 MHz	39.60	12.07
1400 MHz	42.70	13.03
1600 MHz	46.00	13.93
1800 MHz	48.70	14.84
1900 MHz	50.10	15.27
2000 MHz	51.50	15.70
2300 MHz	55.20	16.80
2400 MHz	56.40	17.20
2500 MHz	57.60	17.60
2700 MHz	59.80	18.20
2800 MHz	60.90	18.60
3000 MHz	63.10	19.20

\* 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