

# 8872063/50 | AMC-58 Low Loss EZ

AMC-58 Low Loss EZ 50 Ohm Coaxial Cable, black PE jacket



## OBSOLETE

This product was discontinued on: April 26, 2022

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Coaxial automotive cable
<b>Product Brand</b>	Auto Mobile Cable®

## General Specifications

<b>Cable Type</b>	AMC-58
<b>Jacket Color</b>	Black
<b>Supported Application</b>	Automotive

## Dimensions

<b>Cable Length</b>	1524 m   5000 ft
<b>Diameter Over Center Conductor</b>	1.034 mm   0.041 in
<b>Diameter Over Center Conductor Tolerance</b>	±0.0003 in
<b>Diameter Over Dielectric</b>	2.896 mm   0.114 in
<b>Diameter Over Dielectric Tolerance</b>	±0.003 in
<b>Diameter Over Jacket, nominal</b>	4.953 mm   0.195 in
<b>Diameter Over Jacket Tolerance</b>	±0.003 in
<b>Diameter Over Outer Shield (Braid)</b>	3.708 mm   0.146 in
<b>Diameter Over Shield (Tape)</b>	3.048 mm   0.12 in

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## Electrical Specifications

<b>Capacitance</b>	85.302 pF/m   26 pF/ft
<b>Characteristic Impedance</b>	50 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	20.997 ohms/km   6.4 ohms/kft
<b>Dielectric Strength at Voltage</b>	3 s @ 2,500 Vdc
<b>Jacket Spark Test Voltage</b>	2500 V
<b>Shield dc Resistance</b>	11.483 ohms/km   3.5 ohms/kft
<b>Velocity</b>	80 %

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
200.0	16.1	4.9
400.0	22.7	6.91
500.0	25.3	7.71
700.0	30	9.15
900.0	34.1	10.4
1000.0	36	10.97
1200.0	39.6	12.07
1400.0	42.7	13.03
1600.0	46	13.93
1800.0	48.7	14.84
1900.0	50.1	15.27
2000.0	51.5	15.7
2300.0	55.2	16.8
2400.0	56.4	17.2
2500.0	57.6	17.6
2700.0	59.8	18.2
2800.0	60.9	18.6
3000.0	63.1	19.2

## Material Specifications

<b>Center Conductor Material</b>	Bare copper
<b>Dielectric Material</b>	Foam PE

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<b>Jacket Material</b>	PE
<b>Shield (Braid) Coverage</b>	85 %
<b>Shield (Braid) Material</b>	Tinned copper
<b>Shield (Tape) Material</b>	Aluminum, unbonded

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
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## Packaging and Weights

<b>Cable weight</b>	32.74 kg/km   22 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant

