

AMC-174 Low Loss 50 Ohm Coaxial Cable, black PE jacket



OBSOLETE

This product was discontinued on: April 26, 2022

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-174
Jacket Color	Black
Supported Application	Automotive

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Center Conductor	0.46 mm 0.018 in
Diameter Over Center Conductor Tolerance	±0.00015 in
Diameter Over Dielectric	1.524 mm 0.06 in
Diameter Over Dielectric Tolerance	±0.003 in
Diameter Over Jacket, nominal	2.794 mm 0.11 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Outer Shield (Braid)	2.032 mm 0.08 in

Electrical Specifications

4697173/95 | AMC-174 LL

Capacitance	103.346 pF/m 31.5 pF/ft
Characteristic Impedance	50 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	252.625 ohms/km 77 ohms/kft
Conductor dc Resistance, maximum	288.714 ohms/km 88 ohms/kft
Dielectric Strength at Voltage	3 s @ 2,500 Vdc
Jacket Spark Test Voltage	2500 V
Shield dc Resistance	25.919 ohms/km 7.9 ohms/kft
Velocity	66 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
200.0	34.4	10.48
400.0	49.6	15.11
700.0	67.2	20.5
900.0	79.5	24.24
1000.0	84.3	25.71
1200.0	92.5	28.19
1400.0	101.2	30.87
1600.0	109.9	33.5
1800.0	115.7	35.27
2000.0	123	37.5
2300.0	131.2	40

Material Specifications

Center Conductor Material	Copper-clad steel wire
Dielectric Material	PE
Jacket Material	PE
Shield (Braid) Coverage	93 %
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum, unbonded

Environmental Specifications

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

Cable weight

12.203 kg/km | 8.2 lb/kft

Regulatory Compliance/Certifications

Agency**Classification**

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant

