

**This specification is OBSOLETE**



**Enterprise Solutions**

**AMC-034**

**AMC-034 50 Ohm Coaxial Cable, black PE jacket**

**OBSOLETE**

## Construction Materials

Center Conductor Material	Stranded copper wire
Dielectric Material	Foam PE
Jacket Material	PE
Shield (Braid) Coverage	87 %
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	No tape

## Dimensions

Cable Weight	12.00 lb/kft
Diameter Over Dielectric	2.2606 mm   0.0890 in
Diameter Over Dielectric Tolerance	±0.003 in
Diameter Over Inner Shield (Braid) Tolerance	±0.0003 in
Diameter Over Jacket	3.505 mm   0.138 in
Diameter Over Jacket Tolerance	±0.005 in
Diameter Over Inner Shield (Braid)	0.899 mm   0.035 in
Diameter Over Outer Shield (Braid)	2.718 mm   0.107 in

## Electrical Specifications

Capacitance	86.9 pF/m   26.5 pF/ft
Characteristic Impedance	50 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	10.90 ohms/kft
Dielectric Strength	3.000 s @ 2500.000 Vdc
Inner Shield dc Resistance	11.00 ohms/kft
Jacket Spark Test Voltage	2500 V
Outer Shield dc Resistance	7.50 ohms/kft
Velocity	83 %

## 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-034
Jacket Color	Black
Brand	Auto Mobile Cable®

AMC-034

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100 MHz	21.30	6.50
1000 MHz	64.50	19.70
1500 MHz	81.00	24.70
2000 MHz	95.80	29.20
2500 MHz	109.40	33.35

## Regulatory Compliance/Certifications

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