

Product: [9239](#) 

Audio Coax, Low Noise, RG-174, 26 AWG Str BCCS, 90% TC Brd, PVC Jkt



Product Description

Audio Coax, Low Noise, RG-174, 26 AWG (7x34) Bare Copper Covered Steel Conductor, PE Insulation, PVC Conductive Layer, 90% Tinned Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Low noise microphone, Analog audio, Instrumentation
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	7x34	BCCS - Bare Copper Covered Steel	0.019 in	1

Conductor Count:	1
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Insulation

Layer	Material	Nominal Diameter
1	PE - Polyethylene	0.044 in
2	PVC - Polyvinyl Chloride (Conductive)	0.056 in

Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.101 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
89.6 Ohm/1000ft	97 Ohm/1000ft	14 Ohm/1000ft	11.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
44 pF/ft

Delay

Nominal Velocity of Propagation (VP) [%]
57%

Voltage

Voltage Rating [V]
300 V RMS

Electrical Characteristics Notes:	NBS Low Noise Test (Modified), MIL-DTL-17J Paragraph 4.8.14, 8 mV Peak to Peak Max
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Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	7.6 lbs/1000ft
Max. Pull Tension:	14.4 lbs
Min. Bend Radius/Minor Axis:	1 in

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9239 010100	Black	Reel	100 ft	612825358824
9239 010500	Black	Reel	500 ft	612825358855
9239 0101000	Black	Reel	1,000 ft	612825357728

Product Notes

Notes:	Not recommended for RF use. Low noise audio applications.
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History

Update and Revision:	Revision Number: 0.240 Revision Date: 12-15-2021
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