



Product: [9224](#)

Audio Coax, Low Noise, RG-59, 22 AWG Solid BCCS, 95% BC Brd, PVC Jkt



### Product Description

Audio Coax, Low Noise, RG-59, 22 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, PVC Conductive Layer, 95% Bare 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
22	Solid	BCCS - Bare Copper Covered Steel	0.025 in	1

Conductor Count:	1
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##### Insulation

Layer	Material	Nominal Diameter
1	PE - Polyethylene	0.146 in
2	PVC - Polyvinyl Chloride (Conductive)	0.154 in

##### Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

##### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.242 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
54 Ohm/1000ft	54 Ohm/1000ft		2.5 Ohm/1000ft	2.5 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
22 pF/ft

##### Inductance

Nominal Inductance
0.124 $\mu$ H/ft

##### Impedance

Nominal Characteristic Impedance
75 Ohm

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.56 ns/ft	65%

## Voltage

Voltage Rating [V]
300 V RMS

Electrical Characteristics Notes: NBS Low Noise Test (Modified) MIL-C-17 Paragraph 4.8.14, 5 mV Peak to Peak Max

## Temperature Range

Non-UL Temp Rating:	75°C
Operating Temperature Range:	-40°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max. Pull Tension:	80 lbs
Min. Bend Radius/Minor Axis:	2.4 in

## Standards

CPR Euroclass:	Eca
RG Type:	59

## 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 2015/863/EU (RoHS 2 amendment):	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

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
9224 010U500	Black	UnReel	500 ft	612825358145
9224 0101000	Black	Reel	1,000 ft	612825357810

## Product Notes

Notes: Not recommended for RF use. Nominal voltage breakdown conductor to shield: 30 kV rms. Nominal voltage breakdown jacket (shield to water): 30 kV rms.

## History

Update and Revision:	Revision Number: 0.240 Revision Date: 12-19-2022
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