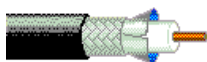


9209A Coax - Miniature

For more Information
please call

1-800-Belden1

**General Description:**

23 AWG solid .022" bare copper conductor, flame-retardant semi-foam polyethylene insulation, Duofoil® + tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BC - Bare Copper	.022

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FR Semi-Foam PE - Flame Retardant Semi-Foam Polyethylene	.146

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.220 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	43 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 1354
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

RG Type:	Mini 59/U
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Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
.118

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
21.0

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/ft)
1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
20.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.5

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.4
3.6	.5
10.0	1.2
71.5	2.9
135	4.0
270	5.6
360	6.6
540	8.6
720	10.1
750	10.4
1000	12.8

Max. Operating Voltage - UL:

Voltage
30 V RMS
300 V RMS

Other Electrical Characteristic 1:	Impedance tested in accordance w/ASTM D-4566 Para 43.2 Opt 2 using a 75 Ohm fixed bridge & termination.
Other Electrical Characteristic 2:	Return Loss tested in accordance w/ASTM D-4566 para 45.3 using a 75 Ohm fixed bridge&termination.

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	216.000	27.000
216.000	850.000	23.000

Sweep Test

Sweep Testing:	100% Sweep tested 5 MHz to 850 MHz.
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Put Ups and Colors:

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9209A Coax - Miniature

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9209A 010U1000	1,000 FT	35.000 LB	BLACK		#23 FRSFPE SH FRPVC

Revision Number: 2 Revision Date: 08-20-2012

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