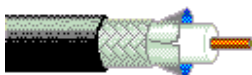


9248 Coax - 75 Ohm Coax

 For more Information
 please call

1-800-Belden1

**General Description:**

18 AWG solid .040" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (60% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	.040

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.180

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	60

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.270 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 1354)
Bulk Cable Weight:	35 lbs/1000 ft.
Max. Recommended Pulling Tension:	44 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	6/U
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Flame Test

UL Flame Test:	UL1685 UL Loading
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Plenum/Non-Plenum

Plenum Number:	89248 and 82248
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.106

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.2

Nominal Velocity of Propagation:

VP (%)

82

Nominal Delay:

Delay (ns/ft)

1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.30
5	.54
10	.70
50	1.5
100	2.0
200	2.8
400	4.0
700	5.3
900	6.1
1000	6.5
1500	8.3

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354); 300 V RMS (CM)

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	23

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9248 010U1000	1,000 FT	37.000 LB	BLACK		#18 PE/GIFHDPE SH FRPVC
9248 010U500	500 FT	19.000 LB	BLACK		#18 PE/GIFHDPE SH FRPVC
9248 0101000	1,000 FT	38.000 LB	BLACK	C	#18 PE/GIFHDPE SH FRPVC
9248 0101640	1,640 FT	63.960 LB	BLACK	C	#18 PE/GIFHDPE SH CORE
9248 0103280	3,280 FT	121.360 LB	BLACK	C	#18 PE/GIFHDPE SH FRPVC
9248 010500	500 FT	19.000 LB	BLACK	C	#18 PE/GIFHDPE SH FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-13-2012

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