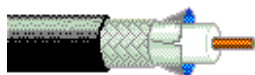


89248 Coax - 75 Ohm Coax

 For more Information
 please call

1-800-Belden1

**General Description:**

18 AWG solid .040" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (65% coverage), FEP 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.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

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	65

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 0.222 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 30 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius/Minor Axis: 3 in.

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

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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):	04/01/2005
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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:	NFPA 262
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CSA Flame Test:	FT6
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Suitability

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

Plenum (Y/N):	Yes
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Non-Plenum Number:	9248
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

.09

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.5

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)

5.1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.3
---	----

10	.7
----	----

50	1.5
----	-----

100	2.1
-----	-----

200	3.1
-----	-----

400	4.5
-----	-----

700	6.0
-----	-----

900	6.9
-----	-----

1000	7.3
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Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Return Loss:

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

Notes (Overall)

Notes: 100% Sweep tested 5 MHz to 450 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89248 0101000	1,000 FT	33.000 LB	BLACK	C	#18 FFEP RG 6/U COAX
89248 0102000	2,000 FT	64.000 LB	BLACK	C	#18 FFEP RG 6/U COAX
89248 010500	500 FT	16.500 LB	BLACK	C	#18 FFEP RG 6/U COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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