

9850 Coax - 75 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**Description:**

18 awg stranded (7x26) .048" tinned copper conductor, polyethylene insulation, double bare copper braid shield (95% coverage), non-contaminating PVC jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	TC - Tinned Copper	.048

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
PE - Polyethylene	.285

**Outer Shield****Outer Shield Material:**

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	BC - Bare Copper	95
2	Braid	BC - Bare Copper	95

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

**Overall Cable**

Overall Nominal Diameter: 0.425 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	118 lbs/1000 ft.
Max. Recommended Pulling Tension:	226 lbs.
Min. Bend Radius (Install)/Minor Axis:	5 in.

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

NEC/(UL) Specification:	CMH
CEC/C(UL) Specification:	CMH
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17G, M17/77
RG Type:	216/U

**Flame Test**

UL Flame Test:	VW-1
C(UL) Flame Test:	FT1

**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)
.17

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
20.5

**Nominal Velocity of Propagation:**

VP (%)
66

**Nominal Delay:**

Delay (ns/ft)
1.54

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
6.1

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
0.8

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.2
10	.7
50	1.3
100	2.0
200	2.9
400	4.2
700	5.8
900	6.8
1000	7.1

**Max. Operating Voltage - Non-UL:**

Voltage
3700 V RMS

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9850 0101000	1,000 FT	131.000 LB	BLACK	C	#18 PE DBLBRD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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