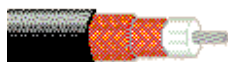


9850 Coax - 75 Ohm Coax

For more Information
please call

1-800-Belden1



General 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

Total Number of Conductors: 1

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:	122 lbs/1000 ft.
Max. Recommended Pulling Tension:	226 lbs.
Min. Bend Radius/Minor Axis:	4.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMH
CEC/C(UL) Specification:	CMH
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

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-DTL-17H, M17/77, QPL
RG Type:	216/U

Flame Test

UL Flame Test:	VW-1
CSA 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

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.

Revision Number: 2 Revision Date: 09-24-2012

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