

## 9857 Coax - 125 Ohm Coax

For more Information  
please call

1-800-Belden1

**Description:**

125 ohm, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (97% coverage), non-contaminating PVC jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	Solid	BCCS - Bare Copper Covered Steel	.025

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

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

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

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	97

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

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

**Overall Cable**

Overall Nominal Diameter: 0.405 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	78 lbs/1000 ft.
Max. Recommended Pulling Tension:	149 lbs.
Min. Bend Radius (Install)/Minor Axis:	6 in.

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

NEC/(UL) Specification:	CMH
CEC/C(UL) Specification:	CMH FT1
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):	10/01/2005
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:	M17/31-RG63
RG Type:	63/U

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

125

**Nom. Inductance:**

Inductance (μH/ft)

.2

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

9.7

**Nominal Velocity of Propagation:**

VP (%)

84

**Nominal Delay:**

Delay (ns/ft)

1.21

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

41.2

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

1.2

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.2
10	.5
50	1.1
100	1.5
200	2.3
400	3.4
700	4.6
900	5.5
1000	5.8

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9857 0101000	1,000 FT	94.000 LB	BLACK	C	M17/31-RG63 COAX

**Notes:**

C = CRATE REEL PUT-UP.

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