

9857 Coax - 125 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**General Description:**

125 ohm, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% 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

Total Number of Conductors: 1

**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	95.000

**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: 85 lbs/1000 ft.

Max. Recommended Pulling Tension: 149 lbs.

Min. Bend Radius/Minor Axis: 4.250 in.

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

NEC/(UL) Specification: CMH

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): 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-17, 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

**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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