Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9857 Coax - 125 Ohm Coax

For more Information please call

1-800-Belden1



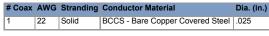
General Description:

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:



Total Number of Conductors:

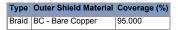
Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:



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

No

Plenum/Non-Plenum

Plenum (Y/N):

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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 125

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

VP (%) 84

Nominal Delay:

1.21

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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	С	M17/31-RG63 COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-22-2012

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