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1-800-Belden1



### General Description:

25 AWG stranded (7x33) composite copper conductor, PVC insulation, (3) strands TC, (4) strands TCCS, TC spiral shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25	3x33	High Conductivity TC - Tinned Copper	.021
		4x33	TCCS - Tinned Copper Covered Steel	

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	0.058

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	90

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.100 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	7 lbs/1000 ft.
Max. Recommended Pulling Tension:	12 lbs.
Min. Bend Radius/Minor Axis:	1 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

## 9396 Coax - Single-Conductor, High-Impedance Cables

**Impedance (Ohm)**

31

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

75

**Maximum Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

75

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

46

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

17

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

**Voltage**

1000 V DC

**Max. Recommended Current:**

**Current**

1.9 Amps per conductor @ 25°C (10°C rise)

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9396 U90250	250 FT	2.500 LB	GRAY, MATTE		1 #25 PVC SHLD PVC

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