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1-800-Belden1



## General Description:

Miniature, 28 AWG solid .013" tinned copper conductor, polypropylene insulation, bare copper braid shield (90% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	28	Solid	TC - Tinned Copper	.013

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PP - Polypropylene	.023

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	90

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.054 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 3 lbs/1000 ft.

Max. Recommended Pulling Tension: 7 lbs.

Min. Bend Radius/Minor Axis: 0.500 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: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

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

### Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**

32

**Nom. Inductance:**

**Inductance (µH/ft)**

.049

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

55.2

**Nominal Velocity of Propagation:**

**VP (%)**

66

**Nominal Delay:**

**Delay (ns/ft)**

1.54

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

66.9

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

28.7

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	2.5
10	7.7
50	17.2
100	24.5
200	34.8
400	50.0
700	66.0
900	75.0
1000	79.0

**Max. Operating Voltage - UL:**

**Voltage**

300 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8700 010250	250 FT	0.750 LB	BLACK		32 OHM MINIATURE COAX

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