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1-800-Belden1



## General Description:

27 AWG stranded (7x35) .017" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	27	7x35	BCCS - Bare Copper Covered Steel	.017

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.100

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.150 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 14 lbs/1000 ft.

Max. Recommended Pulling Tension: 32 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

AWM Specification: UL Style 1354 (30 V 60°C)

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

MII Order #39 (China RoHS): Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

**Impedance (Ohm)**

75

**Nom. Inductance:**

**Inductance (µH/ft)**

.115

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

20.5

**Nominal Velocity of Propagation:**

**VP (%)**

66

**Nominal Delay:**

**Delay (ns/ft)**

1.54

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

120

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

5.7

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	1.2
10	2.4
50	4.2
100	5.7
200	8.3
400	12.1
700	16.5
900	19.0
1000	20.0

**Max. Operating Voltage - UL:**

**Voltage**

30 V RMS (UL AWM Style 1354)

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

**Voltage**

1700 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8218 010U1000	1,000 FT	16.000 LB	BLACK		75 OHM COAX
8218 010U500	500 FT	8.500 LB	BLACK		75 OHM COAX
8218 010I1000	1,000 FT	16.000 LB	BLACK	C	75 OHM COAX
8218 010500	500 FT	8.000 LB	BLACK		75 OHM COAX

**Notes:**

C = CRATE REEL PUT-UP.

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