

## 8267 Coax - 50 Ohm Cable

For more Information  
please call

1-800-Belden1



### Description:

13 AWG stranded (7x21) .089" bare copper conductor, polyethylene insulation, bare copper braid shield (96% coverage), non-contaminating PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	13	7x21	BC - Bare Copper	.089

#### Insulation

Insulation Material:

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

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	96

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

#### Overall Cabling

Overall Nominal Diameter: 0.405 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	104 lbs/1000 ft.
Max. Recommended Pulling Tension:	184 lbs.
Min. Bend Radius (Install)/Minor Axis:	5 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
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-DTL-17H, M17774-00001
RG Type:	213/U

### Flame Test

UL Flame Test:	VW-1
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

50

### Nom. Inductance:

#### Inductance (µH/ft)

.077

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/ft)

30.8

### Nominal Velocity of Propagation:

#### VP (%)

66

### Nominal Delay:

#### Delay (ns/ft)

1.54

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

1.7

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

1.2

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100 ft.)

1	.27
10	.55
50	1.3
100	1.9
200	2.7
400	4.1
700	6.5
900	7.6
1000	8.0
4000	21.5

### Max. Power Rating:

#### Freq. (MHz) Rating (W)

1	7950
10	2761
50	1122
100	748
200	494
400	326
700	235

900	205
1000	194
4000	110

**Max. Operating Voltage - UL:**

Voltage	Description
30 V RMS	UL AWM Style 1354
300 V RMS	NEC

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

Voltage
3700 V RMS (MIL-SPEC)

**Misc. Information (Overall)**

**Notes (Overall)**

**Notes:** Non-SWR swept version of RG-213.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8267 0101000	1,000 FT	117.000 LB	BLACK	C	M17-163-00001 COAX,
8267 010500	500 FT	59.500 LB	BLACK	C	M17-163-00001 COAX,

**Notes:**

C = CRATE REEL PUT-UP.

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