# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



## 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)**

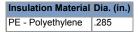
## Conductor

#### AWG:

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

## Insulation

**Insulation Material:** 



## **Outer Shield**

**Outer Shield Material:** 

	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

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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, M17/74-00001
RG Type:	213/U
Flame Test	
UL Flame Test:	VW-1
Plenum/Non-Plenum	
Plenum (Y/N):	No

# **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)

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

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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	С	M17-163-00001 COAX,
8267 010500	500 FT	59.500 LB	BLACK	С	M17-163-00001 COAX,

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-17-2009

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