# **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



8267 Coax - 50 Ohm Cable

For more Information please call

1-800-Belden1



# **General Description:**

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

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# **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (mm)
1	13	7x21	BC - Bare Copper	2.2606

Total Number of Conductors:

#### Insulation

**Insulation Material:** 

Insulation Material Dia. (mm)
PE - Polyethylene 7.239

#### **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 Cable**

Overall Nominal Diameter: 10.287 mm

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C	
UL Temperature Rating:	60°C (UL AWM Style 1354)	
Bulk Cable Weight:	154.773 Kg/Km	
Max. Recommended Pulling Tension:	818.469 N	
Min. Bend Radius/Minor Axis:	127 mm	

# **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 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	

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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 MIL-C-17, M17/163-00001		
Military Specification:			
RG Type:	213/U		
Flame Test			
UL Flame Test:	VW-1		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

# **Electrical Characteristics (Overall)**

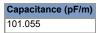
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 5.5777

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 3.9372

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.88587
10	1.80455
50	4.2653
100	6.2339
200	8.8587
400	13.4521
700	21.3265
900	24.9356
1000	26.248
4000	70.5415

### Max. Power Rating:

Freq. (MHz)	Rating (W)
1	7950
10	2761
50	1122
100	748

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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	С	50 OHM COAX CABLE
8267 010500	500 FT	59.500 LB	BLACK	С	50 OHM COAX CABLE

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-30-2012

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