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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. (mm)
1	13	7x21	BC - Bare Copper	2.2606

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	7.239

### 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: 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 (Install)/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 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/m)

0.252637

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

101.055

### Nominal Velocity of Propagation:

#### VP (%)

66

### Nominal Delay:

#### Delay (ns/m)

5.05274

### 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
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.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8267 0101000	305 MT	53.071 KG	BLACK	C	M17-163-00001 COAX,
8267 010500	152 MT	26.989 KG	BLACK	C	M17-163-00001 COAX,

**Notes:**  
C = CRATE REEL PUT-UP.

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