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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.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

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

Total Number of Conductors: 1

### 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 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

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-C-17, M17/163-00001
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.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8267 0101000	1,000 FT	117.000 LB	BLACK	C	50 OHM COAX CABLE
8267 010500	500 FT	59.500 LB	BLACK	C	50 OHM COAX CABLE

**Notes:**

C = CRATE REEL PUT-UP.

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