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1-800-Belden1



## Description:

23 AWG stranded (7x32) .023" bare compacted copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), polyethylene jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	7x32	BCC - Bare Compacted Copper	0.5842

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	3.7084

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

### Overall Cabling

Overall Nominal Diameter: 5.588 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius (Install)/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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): 01/01/2004

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

RG Type: Mini 59/U

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes - When supported by a messenger wire

Suitability - Burial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )

0.387158

### Nom. Capacitance Conductor to Shield:

Capacitance ( $\text{pF}/\text{m}$ )

68.901

### Nominal Velocity of Propagation:

VP (%)

66

### Nominal Delay:

Delay (ns/m)

5.05274

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

62.6671

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

14.7645

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
3.6	1.9686
10.0	3.9372
71.5	10.8273
135	15.4207
270	22.3108
360	26.248
540	32.4819
720	38.0596
750	39.0439
1000	45.2778

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

Voltage

2300 V RMS

**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination.

**Other Electrical Characteristic 2:** Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

### Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	216.000	27.000
216.000	850.000	21.000

### Sweep Test

**Sweep Testing:** 100% Sweep tested 5MHz to 850MHz.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8279 0101000	305 MT	13.154 KG	BLACK	C	MINI VIDEO CABLE
8279 010500	152 MT	5.897 KG	BLACK		MINI VIDEO CABLE

**Notes:**

C = CRATE REEL PUT-UP.

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