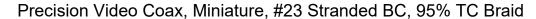


**Product: 8279** ☑





# **Product Description**

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

# **Technical Specifications**

# **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material Nominal Diameter No. of Coax 23 7x32 BC-C - Bare Copper (Compacted) 0.023 in 1 Conductor Count: 1

#### Insulation

Material	Nominal Diameter
PE - Polyethylene	0.146 in

#### **Outer Shield**

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	95%

#### Outer Jacket

Material	Nominal Diameter
PE - Polyethylene	0.22 in

# **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
19.1 Ohm/1000ft	19.1 Ohm/1000ft	4.5 Ohm/1000ft	4.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield

21 pF/ft

# Inductance

Nominal Inductance

## Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-216 MHz	27 dB
217-850 MHz	21 dB

# High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	1.2 dB/100ft
71.5 MHz	3.3 dB/100ft
135 MHz	4.7 dB/100ft
270 MHz	6.8 dB/100ft
360 MHz	8 dB/100ft
540 MHz	9.9 dB/100ft
720 MHz	11.6 dB/100ft
750 MHz	11.9 dB/100ft
1000 MHz	13.8 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66%

#### Voltage

Non-UL Voltage Rating 2300 V RMS

# **Temperature Range**

Non-UL Temp Rating:	80°C
Operating Temperature Range:	-55°C To +80°C

#### **Mechanical Characteristics**

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	45 lbs
Min. Bend Radius/Minor Axis:	2.5 in

# **Standards**

RG Type:	Mini 59
Series Type:	59

# **Applicable Environmental and Other Programs**

Environmental Space:	Outdoor - Direct Burial
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

# Plenum/Non-Plenum

Plenum (Y/N):	No

# **Related Part Numbers**

# Variants

Item #	Color	Put-Up Type	Length	UPC
8279 010500	Black	Reel	500 ft	612825358077

8279 0101000 Black Reel	1,000 ft 612825355892	
Footnote:		C - CRATE REEL PUT-UP.
History		

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Update and Revision:

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