Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8279 Coax - Miniature

For more Information please call

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)

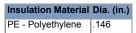
Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	7x32	BCC - Bare Compacted Copper	.023

Insulation

Insulation Material:



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 Cable

Overall Nominal Diameter: 0.220 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +80°C		
Non-UL Temperature Rating:	80°C		
Bulk Cable Weight:	26 lbs/1000 ft.		
Max. Recommended Pulling Tension:	45 lbs.		
Min. Bend Radius (Install)/Minor Axis:	2.500 in.		

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

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RG Type:		
uitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Suitability - Aerial:	Yes - When supported by a messenger wire	
Suitability - Burial:	Yes	
lenum/Non-Plenum		
Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
19.1	

Nominal Outer Shield DC Resistance:

D	CR @	20°C	(Ohm/1000	ft)
4.	5			

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.4
3.6	.6
10.0	1.2
71.5	3.3
135	4.7
270	6.8
360	8.0
540	9.9
720	11.6
750	11.9
1000	13.8

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:

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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	1,000 FT	29.000 LB	BLACK	С	MINI VIDEO CABLE
8279 010500	500 FT	13.000 LB	BLACK		MINI VIDEO CABLE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-30-2009

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