Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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9913F7 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



General Description:

RG-8/U type, 10 AWG stranded (7x19) .108" bare copper conductor, gas-injected foam HDPE insulation, Duobond II ® + tinned copper braid shield (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)				
Conductor AWG:				
# Coax AWG Stranding Conductor Material Dia. (in.)				
1 10 7x19 BC - Bare Copper .108				
Total Number of Conductors:	1			
Insulation Insulation Material:				
Insulation Material Gas-injected FHDPE - Foam High Density Polyethylene	Dia. (in.) .285			
Outer Shield Outer Shield Material:				
Layer # Outer Shield Trade Name Type Outer Shield	Material	Coverage (%)		
	inum Foil-Polyester Tape-Aluminum Foil	100		
2 Braid TC - Tinned C	Copper	95		
Outer Jacket Outer Jacket Material:				
Outer Jacket Trade Name Outer Jacket Material				
Belflex® PVC Blend - Polyvinyl Chlorid	de Blend			
Overall Cable				
Overall Nominal Diameter:	0.405 in.			
Mechanical Characteristics (Overall)				
Operating Temperature Range:	-40°C To +80°C			
Non-UL Temperature Rating:	80°C			
Bulk Cable Weight:	94 lbs/1000 ft.			
Max. Recommended Pulling Tension:	210 lbs.			
Min. Bend Radius/Minor Axis:	3 in.			
Applicable Specifications and Agency Cor	npliance (Overall)			
Applicable Standards & Environmental Progra	ims			
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):	01/01/2004			
EU Directive 2002/96/EC (WEEE):	Yes			

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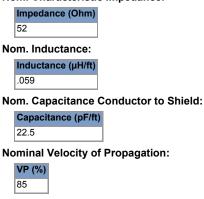


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EU Directive 2003/11/EC (BFR):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
MII Order #39 (China RoHS):	Yes	
RG Type:	8/U	
Suitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Suitability - Aerial:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nominal Delay:

Delay (ns/ft) 1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

Maximum VSWR:

Descrip	otion	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Max. VSWR
			5	2250	1.43:1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	.6
50	1.1
100	1.5
200	2.0
400	3.0
700	4.0
900	4.7
1000	5.0
2000	7.5
2250	8.0
3000	9.8
4000	12.1

Nom. Power Rating:

Freq. (MHz) Rating (W)

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5	3217
10	2681
50	1463
100	1073
200	805
400	575
700	424
900	366
1000	350
1500	278
1800	252
2000	237
2500	210
3000	188
4000	157

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Other Electrical Characteristic 1:

Actual Impedance specification is 51.5 +/- 2 ohms.

Misc. Information (Overall)

Notes (Overall)

Notes: Low Loss, High Flex

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9913F7 B59100	100 FT	12.100 LB	BLACK, MATTE	С	#10 FHDPE SH PVC
9913F7 B591000	1,000 FT	100.000 LB	BLACK, MATTE	С	#10 FHDPE SH PVC
9913F7 B59250	250 FT	26.750 LB	BLACK, MATTE	С	#10 FHDPE SH PVC
9913F7 B59500	500 FT	50.000 LB	BLACK, MATTE	С	#10 FHDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

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