Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9913F7 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



General Description:

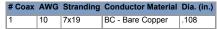
RG-8/U type, 10 AWG stranded (7x19) .108" bare copper conductor, gas-injected foam HDPE insulation, Duobond II ® + tinned copper braid shield (95% coverage), Belflex® jacket.

1

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.285

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Таре	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	
Belflex®	PVC Blend - Polyvinyl Chloride 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 Compliance (Overall)

Applicable Standards & Environmental Programs

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
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

Plenum/Non-Plenum

Plenum (Y/N): No

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Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) Nom. Inductance: Inductance (µH/ft) Nom. Capacitance Conductor to Shield: Capacitance (pF/ft) Nominal Velocity of Propagation: VP (%) 85 Nominal Delay: Delay (ns/ft) 1.2 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 1.8 Maximum VSWR: Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Max. VSWR 2250

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)		
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.

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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.

Revision Number: 4 Revision Date: 07-29-2013

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