



9913F7 Coax - RG-8/U Type

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	10
Stranding	7x19
Conductor Diameter	.108 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.285 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

OUTER JACKET:

Outer Jacket Material Trade Name	Belflex®
Outer Jacket Material	PVC Blend - Polyvinyl Chloride Blend

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.405 in.
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MECHANICAL CHARACTERISTICS:



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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 (Install)	3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	51.5 +/- 2 Ohms
Nom. Inductance	.059 µH/ft
Nom. Capacitance Conductor to Shield	22.5 pF/ft
Nominal Velocity of Propagation	85 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.8 Ohms/1000 ft

Maximum VSWR :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Maximum VSWR
		5	2250	1.43:1

Nom. Attenuation :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power 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

600 V RMS

NOTES:

Notes

Low Loss, High Flex

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9913F7 B59100	#10 FHDPE SH PVC	100	12.5	BLACK, MATTE	C
9913F7 B591000	#10 FHDPE SH PVC	1000	104	BLACK, MATTE	C
9913F7 B59250	#10 FHDPE SH PVC	250	27.75	BLACK, MATTE	C
9913F7 B59500	#10 FHDPE SH PVC	500	52.5	BLACK, MATTE	C



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C = CRATE REEL PUT-UP.

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