

9913 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 solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® + tinned copper braid shield (90% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

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

INSULATION:

Insulation Material	Semi-Solid PE - Semi-Solid Polyethylene
Insulation Diameter	.286 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	90

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.405 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
Non-UL Temperature Rating	75°C

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Bulk Cable Weight	97 lbs/1000 ft.
Max. Recommended Pulling Tension	292 lbs.
Min. Bend Radius (Install)	6 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	Yes
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
Plenum Number	89913

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.059 μ H/ft
Nom. Capacitance Conductor to Shield	24.6 pF/ft
Nominal Velocity of Propagation	84 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.8 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	5			.4
	10			.5
	50			1.0
	100			1.4
	200			1.8
	400			2.6
	700			3.6
	900			4.1
	1000			4.4
	1500			5.4
	1800			6.0
	2000			6.4
	2500			7.3
	3000			8.0
	4000			9.5

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Max. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	5			4021
	10			3217
	50			1609
	100			1149
	200			894
	400			619
	700			447
	900			393
	1000			366
	1500			298
	1800			269
	2000			252
	2500			221
	3000			202
	4000			170

Max. Operating Frequency 8.5 GHz

Max. Operating Voltage - Non-UL 300 V RMS

NOTES:

Notes Low Loss

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9913 010100	RG-8/U TYPE COAX	100	14.2	BLACK	C
9913 0101000	RG-8/U TYPE COAX	1000	116	BLACK	C
9913 010250	RG-8/U TYPE COAX	250	31.75	BLACK	C
9913 010500	RG-8/U TYPE COAX	500	57	BLACK	C

C = CRATE REEL PUT-UP.

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