

9914 Coax - RG-8/U Type

		<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p>
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Description:

RG-8/U type, 10 AWG solid .103" bare copper conductor, gas-injected foam HDPE insulation, Duobond II® + tinned copper braid shield (95% 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	.103 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	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.403 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 1354)

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Bulk Cable Weight	108.2 lbs/1000 ft.
Max. Recommended Pulling Tension	247 lbs.
Min. Bend Radius (Install)	4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT4

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	50 Ohms
Nom. Inductance	.065 µH/ft
Nom. Capacitance Conductor to Shield	24.8 pF/ft
Nominal Velocity of Propagation	82 %
Nominal Delay	1.24 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.2 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.1 Ohms/1000 ft
Maximum VSWR	1.43:1 5-2250 MHZ
Nom. Attenuation :	

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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			5.5
	1800			6.1
	2000			6.5
	2500			7.5
	3000			8.3
	4000			9.9

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			293
	1800			264
	2000			248
	2500			215
	3000			194
	4000			163

Max. Operating Voltage - UL 30 V RMS (UL AWM Style 1354)

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
9914 0101000	RG-8/U TYPE COAX	1000	114	BLACK	C
9914 010500	RG-8/U TYPE COAX	500	56	BLACK	C

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C = CRATE REEL PUT-UP.

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