

**8214 Coax - 50 Ohm Transmission and Computer Cable**

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

RG-8/U type, 11 awg, stranded (7x19) .108" bare copper, 97% bare copper braid shield, foam polyethylene insulation, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	11
Stranding	7x19
Conductor Diameter	.108 in.
Conductor Material	BC - Bare Copper

**INSULATION:**

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.285 in.

**OUTER SHIELD:**

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	97 %

**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
Bulk Cable Weight	106 lbs/1000 ft.
Max. Recommended Pulling Tension	230 lbs.
Min. Bend Radius (Install)	4 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

## 8214 Coax - 50 Ohm Transmission and Computer Cable

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	1354

**SUITABILITY:**

Suitability - Indoor	Y
Suitability - Outdoor	Y
Suitability - Aerial	Y

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.065 $\mu$ H/ft
Nom. Capacitance Conductor to Shield	26 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.2 Ohms/1000 ft
Nominal Outer Shield DC Resistance	1.1 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.1
	10			.5
	50			1.2
	100			1.7
	200			2.6
	400			3.9
	700			5.6
	900			6.5
	1000			7.0
	4000			21.5

Max. Operating Voltage - UL	300 V RMS
Max. Operating Voltage - Non-UL	600 V RMS
Max. Operating Voltage - Other	30 V RMS (AWM 1354)

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8214 010100	RG-8/U TYPE COAX	100	14.2	BLACK	C
8214 0101000	RG-8/U TYPE COAX 305 2.4147	1000	121	BLACK	C
8214 010500	RG-8/U TYPE COAX	500	61	BLACK	C



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C = CRATE REEL PUT-UP.

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