

**9222 Coax - Computer & Instrumentation Cable 50 Ohm Triax**

	<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-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, two tinned copper braid shields (96% coverage), polyethylene inner jacket between braids, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	7x28
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PE - Polyethylene
Insulation Diameter	.114 in.

**INNER SHIELD:**

Inner Shield Type	Braid
Inner Shield Material	TC - Tinned Copper
Inner Shield % Coverage	95 %

**INNER JACKET:**

Inner Jacket Material	PE - Polyethylene
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**OUTER SHIELD:**

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	85 %

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.240 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	37.2 lbs/1000 ft.
Max. Recommended Pulling Tension	83 lbs.
Min. Bend Radius (Install)	2.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**PLENUM/NON-PLENUM:**

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

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.077 µH/ft
Nom. Capacitance Conductor to Shield	30.8 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft

Nom. Inner Shield DC Resistance :

Description	Nom. Inner Shield DC Resistance @ 20 Deg. C (Ohms/1000 ft)
	4.7

Nominal Outer Shield DC Resistance	4.3 Ohms/1000 ft
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Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.5
	10			1.5
	50			3.3
	100			4.9
	200			7.2
	400			12.0
	500			14.0
	700			18.0
	900			22.0
	1000			24.0

Max. Operating Voltage - Non-UL	1400 V RMS
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**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9222 004100	50 OHM TRIAX	100	4.6	YELLOW	
9222 004500	50 OHM TRIAX	500	21.5	YELLOW	
9222 004U500	50 OHM TRIAX	U500	21	YELLOW	



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