

## 9222 Coax - 50 Ohm Triax

 	<p><b>Metric Version</b>  <b>For more information please call</b>  <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, double tinned copper braid shield (96% coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	7x28
Conductor Diameter	0.94 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PE - Polyethylene
Insulation Diameter	2.896 mm

**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	6.096 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	55.361 Kg/Km
Max. Recommended Pulling Tension	369.201 N
Min. Bend Radius (Install)	63.5 mm

### 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

#### PLENUM/NON-PLENUM:

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

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.253 µH/m
Nom. Capacitance Conductor to Shield	101.055 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	31.17 Ohms/km
Nom. Inner Shield DC Resistance	15.421 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg.C	14.108 Ohms/km

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)
	1			1.64
	10			4.921
	50			10.827
	100			16.077
	200			23.623
	400			39.372
	500			45.934
	700			59.058
	900			72.182
	1000			78.744

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

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
9222 004100	50 OHM TRIAX	30.48	2.088	YELLOW	

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9222 004500	50 OHM TRIAX	152.4	8.853	YELLOW	C
9222 004U500	50 OHM TRIAX	U152.4	9.307	YELLOW	

C = CRATE REEL PUT-UP.

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