

## 9203 Coax - 50 Ohm Coax

		<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:

20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58/U
AWG	20
Stranding	19x33
Conductor Diameter	.035 in.
Conductor Material	TC - Tinned Copper

#### INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.116 in.

#### OUTER SHIELD:

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

#### OUTER JACKET:

Outer Jacket Material	PVCNC - Polyvinyl Chloride Non-Contaminating
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#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.195 in.
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#### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +85°C
UL Temperature Rating	85°C
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	42 lbs.
Min. Bend Radius (Install)	2 in.

#### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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### APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
Military Specification	MIL-C-17G, M17/28

### PLENUM/NON-PLENUM:

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

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.077 $\mu$ H/ft
Nom. Capacitance Conductor to Shield	30.8 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	4.1 Ohms/1000 ft

### Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.4
	10			1.4
	50			3.3
	100			4.9
	200			7.3
	400			11.5
	700			17.0
	900			20.0
	1000			21.5

### Max. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	50			4.0
	100			6.5
	400			17.0
	1000			28.0

### Max. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	50			300
	100			200
	400			90
	1000			55

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
9203 0101000	RG-58/U COAX	1000	25	BLACK	
9203 010500	RG-58/U COAX	500	12.5	BLACK	C

C = CRATE REEL PUT-UP.

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