

8212 Coax - 75 Ohm Coax

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

20 AWG solid .032" bare copper-covered steel conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), polyethylene jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	59/U
AWG	20
Stranding	Solid
Conductor Diameter	.032 in.
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.143 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	95 %

OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.242 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-55°C To +80°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	30 lbs/1000 ft.
Max. Recommended Pulling Tension	107 lbs.
Min. Bend Radius (Install)	2.5 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):	01/01/2004

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Aerial	Yes - When supported by a messenger wire.
Suitability - Burial	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 μ H/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	44.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.6 Ohms/1000 ft

Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	450	23

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.6
	10			1.0
	50			2.1
	100			3.0
	200			4.5
	400			6.6
	700			8.9
	900			10.1
	1000			10.9

Max. Operating Voltage - Non-UL 300 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8212 0101000	75 OHM COAX	1000	33	BLACK	C
8212 010500	75 OHM COAX	500	15	BLACK	C

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8212 010U1000	75 OHM COAX	U1000	31	BLACK	
8212 010U500	75 OHM COAX	U500	16.5	BLACK	

C = CRATE REEL PUT-UP.

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