

8232A Coax - Video Triax Cable

	<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 conductor, gas-injected foam HDPE insulation, 95% bare copper braid shield, PVC inner jacket between braids, 80% bare copper braid shield, PVC 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	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.145 in.

INNER SHIELD:

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

INNER JACKET:

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Diameter	.225 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	80 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:



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Overall Nominal Diameter	.315 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	65 lbs/1000 ft.
Max. Recommended Pulling Tension	125 lbs.
Min. Bend Radius (Install)	3.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR
CEC/C(UL) Specification	CMG

FLAME TEST:

UL Flame Test	UL1666 Vertical Shaft
C(UL) Flame Test	FT4

SUITABILITY:

Suitability - Indoor	Y
Suitability - Outdoor	Y
Suitability - Aerial	Y, when supported by a messenger

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	88232

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.22 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.0 Ohms/1000 ft
Nom. Inner Shield DC Resistance:	2.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	2.8 Ohms/1000 ft

Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	850	21
		851	3000	15

Nom. Attenuation :



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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.3
	3.6			.6
	10			.9
	71.5			2.1
	135			3.0
	270			4.2
	360			4.8
	540			5.9
	720			7.0
	750			7.1
	1000			8.3
	1500			10.5
	2250			13.4
	3000			15.9

Max. Operating Voltage - UL 300 V RMS

NOTES:

Notes 100% sweep tested 5MHz to 3 GHz.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8232A 0101000	#20 FPE BRD PVC BRD PVC	1000	68	BLACK	C

C = CRATE REEL PUT-UP.

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