

**1856A Coax - RG-59/U Type**

		<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 solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® 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	PE - Polyethylene
Inner Jacket Diameter	.216 in.

**OUTER SHIELD:**

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

**OUTER JACKET:**

Outer Jacket Material Trade Name	Belflex®
Outer Jacket Material	PVC Blend - Polyvinyl Chloride Blend



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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.360 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	70 lbs/1000 ft.
Max. Recommended Pulling Tension	124 lbs.
Min. Bend Radius (Install)	4.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

**SWEEP TEST:**

Sweep Testing	100% Sweep tested 5 MHz to 3 GHz.
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**SUITABILITY:**

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - Black for permanent installations. All colors for field deployable use.

**PLENUM/NON-PLENUM:**

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

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.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	10.1 Ohms/1000 ft
Nom. Inner Shield DC Resistance:	2.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.6 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			.8
	71.5			2.2
	135			3.0
	270			4.2
	360			4.8
	540			5.9
	720			6.9
	750			7.1
	1000			8.8
	1500			12.0
	2250			16.4
	3000			20.4

Max. Operating Voltage - Non-UL 300 V RMS

**NOTES:**

Notes Permanent indent printing for field identification.

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1856A 0021000	#20 PE/GIFHDPELDPE PVC TRIAX	1000	83	RED	C
1856A 0041000	#20 PE/GIFHDPELDPE PVC TRIAX	1000	83	YELLOW	C
1856A 0051000	#20 PE/GIFHDPELDPE PVC TRIAX	1000	83	GREEN, DARK	C
1856A 0061000	#20 PE/GIFHDPELDPE PVC TRIAX	1000	83	BLUE, LIGHT	C
1856A B591000	#20 PE/GIFHDPELDPE PVC TRIAX	1000	83	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

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