

1857A Coax - RG-59/U Type

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

22 AWG stranded (19x34) .031" bare copper conductor, foam polyethylene 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	22
Stranding	19x34
Conductor Diameter	.031 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.143 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	94.7 %

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

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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	75 lbs/1000 ft.
Max. Recommended Pulling Tension	124 lbs.
Min. Bend Radius (Install)	2 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	0.097 μ H/ft
Nom. Capacitance Conductor to Shield	17.0 pF/ft
Nominal Velocity of Propagation	79 %
Nominal Delay	1.29 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	14.0 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			0.3
	3.6			0.5
	10			0.8
	71.5			2.2
	135			3.1
	270			4.5
	360			5.4
	540			6.8
	720			8.1
	750			8.4
	1000			10.1
	1500			13.3
	2250			17.6
	3000			21.4

Max. Operating Voltage - Non-UL 300 V RMS

NOTES:

Notes For use in field deployable applications where high flexibility, wide temperature range, and durability are required. Permanently indent printed for field identification.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1857A 0021000	#22 FLDPE VLDPE PVC TRIAX	1000	86	RED	C
1857A 0041000	#22 FLDPE VLDPE PVC TRIAX	1000	86	YELLOW	C
1857A 004500	#22 FLDPE VLDPE PVC TRIAX	500	42.5	YELLOW	
1857A 0051000	#22 FLDPE VLDPE PVC TRIAX	1000	86	GREEN, DARK	C
1857A 0061000	#22 FLDPE VLDPE PVC TRIAX	1000	86	BLUE, LIGHT	C
1857A 0071000	#22 FLDPE VLDPE PVC TRIAX	1000	86	VIOLET	C
1857A 007500	#22 FLDPE VLDPE PVC TRIAX	500	42.5	VIOLET	C
1857A B591000	#22 FLDPE VLDPE PVC TRIAX	1000	86	BLACK, MATTE	C
1857A B59500	#22 FLDPE VLDPE PVC TRIAX	500	42.5	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-24-2005

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