Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1856A Coax - RG-59/U Type

For more Information please call

1-800-Belden1



Description:

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.145

Inner Shield

Inner Shield Material:

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

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	.216

Outer Shield

Outer Shield Material:

	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.360 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-35°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	76 lbs/1000 ft.
Max. Recommended Pulling Tension:	124 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.500 in.

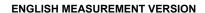
Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	No	
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Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





1856A Coax - RG-59/U Type

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
uitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black for permanent installations. All colors for field deployable use.
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 10.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 1.6

Nom. Attenuation:

Freq. (MHz)	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

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1856A Coax - RG-59/U Type

1000	8.8	
1500	12.0	
2250	16.4	
3000	20.4	

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	850	21
851	3000	15

Sweep Test

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

Notes (Overall)

Notes: Permanent indent printing for field identification.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1856A B591000	1,000 FT	83.000 LB	BLACK, MATTE	С	#20 PE/GIFHDPELDPE PVC TRIAX
1856A 0021000	1,000 FT	83.000 LB	RED	С	#20 PE/GIFHDPELDPE PVC TRIAX
1856A 0041000	1,000 FT	83.000 LB	YELLOW	С	#20 PE/GIFHDPELDPE PVC TRIAX
1856A 0051000	1,000 FT	83.000 LB	GREEN, DARK	С	#20 PE/GIFHDPELDPE PVC TRIAX
1856A 0061000	1,000 FT	83.000 LB	BLUE, LIGHT	С	#20 PE/GIFHDPELDPE PVC TRIAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-12-2010

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Page 3 of 3 01-06-2012