# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 1859A Coax - RG-11/U Type

For more Information please call

1-800-Belden1



# **Description:**

15 AWG stranded (19x27) .064" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% coverage), fluorocopolymer jacket.

# **Physical Characteristics (Overall)**

## Conductor

#### AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
1	15	19x27	BC - Bare Copper	.064

### Insulation

## Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.285

## **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.)
PVDF - Fluorocopolymer	.350

## **Outer Shield**

### **Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	87

## **Outer Jacket**

### **Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

# **Overall Cable**

Overall Nominal Diameter: 0.406 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	125°C
Non-UL Temperature Rating:	125°C
Bulk Cable Weight:	125 lbs/1000 ft.
Max. Recommended Pulling Tension:	264 lbs.
Min. Bend Radius (Install)/Minor Axis:	4 in.

# **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP

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CEC/C(UL) Specification:	CMP
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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:	11/U
Flame Test	
UL Flame Test:	NFPA 262
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - when supported by messenger wire
Suitability - Burial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (	(Ohm)
75	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



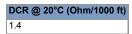
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/1000 ft)
1.4

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.1
3.6	0.2

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10	0.5
71.5	1.3
135	1.9
270	3.0
360	3.6
540	4.5
720	5.4
750	5.6
1000	6.6

### Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

### Minimum Return Loss:

De	scription	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
			5	850	21

## **Sweep Test**

Sweep Testing:

100% sweep tested 5 MHz to 850 MHz.

# Misc. Information (Overall)

## **Notes (Overall)**

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

# **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1859A 0101000	1,000 FT	134.000 LB	BLACK	С	#15 FFEP BRD SLF BRD SLF
1859A 010500	500 FT	66.500 LB	BLACK	С	#15 FFEP BRD SLF BRD SLF

### Notes:

C = CRATE REEL PUT-UP.

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