

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	Conductor Material	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

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:

Inductance (μH/ft)

1.108

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.5

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

1.27

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

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

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:

Description	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	C	#15 FFEP BRD SLF BRD SLF
1859A 010500	500 FT	66.500 LB	BLACK	C	#15 FFEP BRD SLF BRD SLF

Notes:

C = CRATE REEL PUT-UP.

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