Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

1859A Triax - RG-11/U Type

For more Information
please call

1-800-Belden1

General Description:

RG-11/U Type, Plenum-CMP, 15 AWG stranded (19x27) triax, .064" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% and 90% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors:	1

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	90.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter:	0.406 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +125°C
Non-UL Temperature Rating:	125°C
Bulk Cable Weight:	125 lbs/1000 ft.
Max. Recommended Pulling Tension:	264 lbs.
Min. Bend Radius/Minor Axis:	4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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 - Burial:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.108

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)
1.250

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.300

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.100
3.600	0.300
10.000	0.500
71.500	1.400
135.000	2.000
270.000	3.100
360.000	3.600
540.000	4.700
720.000	5.700
750.000	5.800
1000.000	7.100
1500.000	9.500
2000.000	11.900
2250.000	13.200
3000.000	17.900
4500.000	28.900

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	21.000
850.000	4500.000	15.000

Sweep Test

Sweep Testing: 100% sweep tested 5 MHz to 4500 MHz.

Misc. Information (Overall)

Other Description: BAG 08/13/04: Correct Cond. DCR

Notes (Overall)

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

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 PVDF
1859A 0103000	3,000 FT	399.000 LB	BLACK		#15 FFEP BRD SLF BRD PVDF
1859A 010500	500 FT	66.500 LB	BLACK	C	#15 FFEP BRD SLF BRD PVDF

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 6 Revision Date: 01-21-2015

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