

## 1858A Coax - RG-11/U Type

For more Information  
please call

1-800-Belden1

**General Description:**

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® 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 Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.312

**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	.391

**Outer Shield****Outer Shield Material:**

Type	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: 0.520 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-35°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	147 lbs/1000 ft.
Max. Recommended Pulling Tension:	264 lbs.
Min. Bend Radius/Minor Axis:	5.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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):	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:	11/U

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
75

### Nom. Inductance:

Inductance (μH/ft)
0.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

### Nominal Velocity of Propagation:

VP (%)
78

### Nominal Delay:

Delay (ns/ft)
1.30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.1

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.8

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.4

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.100
3.600	0.300
10.000	0.500
71.500	1.200
135.000	1.800
270.000	2.600
360.000	3.100

540.000	3.900
720.000	4.700
750.000	4.800
1000.000	5.700

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
300 V RMS

**Other Electrical Characteristic 1:** Nominal Capacitance 1st Shield to 2nd Shield: 205 pF/ft.

**Other Electrical Characteristic 2:** Nominal Voltage Breakdown: 20K 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)****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	1,000 FT	154.000 LB	BLACK, MATTE	C	#15 GIFHDLDPVC TRIAX
1858A B59500	500 FT	80.500 LB	BLACK, MATTE	C	#15 GIFHDLDPVC TRIAX
1858A 0021000	1,000 FT	154.000 LB	RED	C	#15 GIFHDLDPVC TRIAX
1858A 002500	500 FT	80.500 LB	RED	C	#15 GIFHDLDPVC TRIAX
1858A 0041000	1,000 FT	154.000 LB	YELLOW	C	#15 GIFHDLDPVC TRIAX
1858A 004500	500 FT	80.500 LB	YELLOW	C	#15 GIFHDLDPVC TRIAX
1858A 0051000	1,000 FT	154.000 LB	GREEN, DARK	C	#15 GIFHDLDPVC TRIAX
1858A 0061000	1,000 FT	154.000 LB	BLUE, LIGHT	C	#15 GIFHDLDPVC TRIAX
1858A 006500	500 FT	80.500 LB	BLUE, LIGHT	C	#15 GIFHDLDPVC TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

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