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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

## 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:

Voltage

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:

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1858A Coax - RG-11/U Type

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	1,000 FT	154.000 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A B594000	4,000 FT	648.000 LB	BLACK, MATTE		#15 GIFHLDPE PVC TRIAX
1858A B59500	500 FT	80.500 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A 0021000	1,000 FT	154.000 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 002500	500 FT	80.500 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 0041000	1,000 FT	154.000 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 004500	500 FT	80.500 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 0051000	1,000 FT	154.000 LB	GREEN, DARK	C	#15 GIFHLDPE PVC TRIAX
1858A 0061000	1,000 FT	154.000 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX
1858A 006500	500 FT	80.500 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

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