



**Product:** [1858A](#)

Video Triax, RG11, #15 Stranded, Belflex jacket

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	19x27	BC - Bare Copper	0.064 in	1

Conductor Count: 1

#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.312 in

Insulation, Table Note: Gas Injected

#### Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

#### Inner Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.391 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Belflex®	0.52 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
3.1 Ohm/1000ft	3.1 Ohm/1000ft		1.8 Ohm/1000ft	1.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

#### Inductance

Nominal Inductance
0.097 µH/ft

## Impedance

### Nominal Characteristic Impedance

75 Ohm

## Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-850 MHz	21 dB

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.1 dB/100ft
3.6 MHz	0.3 dB/100ft
10 MHz	0.5 dB/100ft
71.5 MHz	1.2 dB/100ft
135 MHz	1.8 dB/100ft
270 MHz	2.6 dB/100ft
360 MHz	3.1 dB/100ft
540 MHz	3.9 dB/100ft
720 MHz	4.7 dB/100ft
750 MHz	4.8 dB/100ft
1000 MHz	5.7 dB/100ft

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

## Voltage

### Non-UL Voltage Rating

300 V RMS

Electrical Characteristics Notes:	Nominal Capacitance 1st Shield to 2nd Shield: 205 pf/ft.
Other Electrical Characteristic 2:	Nominal Voltage Breakdown: 20K V RMS

## Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-35°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	147 lbs/1000ft
Max Recommended Pulling Tension:	264 lbs
Min Bend Radius/Minor Axis:	5.5 in

## Standards

RG Type:	11/U Type
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

## 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

**Part Number**

**Variants**

Item #	Color	Putup Type	Length	UPC
1858A B59500	Black, Matte	Reel	500 ft	612825356738
1858A B591000	Black, Matte	Reel	1,000 ft	612825356653
1858A B594000	Black, Matte	Reel	4,000 ft	612825352235
1858A 006500	Blue, Light	Reel	500 ft	612825356585
1858A 0061000	Blue, Light	Reel	1,000 ft	612825356592
1858A 0051000	Green, Dark	Reel	1,000 ft	612825356608
1858A 002500	Red	Reel	500 ft	612825356639
1858A 0021000	Red	Reel	1,000 ft	612825356646
1858A 004500	Yellow	Reel	500 ft	612825356615
1858A 0041000	Yellow	Reel	1,000 ft	612825356622

Footnote: C - CRATE REEL PUT-UP.

**History**

Update and Revision: Revision Number: 0.229 Revision Date: 04-28-2020

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