



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

Table Notes: Gas Injected

Inner Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Inner Jacket

Material	Nominal Diameter
PE - Polyethylene	0.391 in

Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Jacket

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. Pull Tension:	264 lbs
Min. Bend Radius/Minor Axis:	5.5 in

Standards

RG Type:	11
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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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
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
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Part Number

Variants

Item #	Color	Put-Up 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.
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History

Update and Revision:	Revision Number: 0.317 Revision Date: 09-10-2021
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