




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 Material

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

Inner Jacket Material

| Material | Nominal Diameter |
|-------------------|------------------|
| PE - Polyethylene | 0.391 in |

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 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. Pull Tension: | 264 lbs |
| Min Bend Radius/Minor Axis: | 5.5 in |

Standards

| | |
|----------|-----------|
| RG Type: | 11/U Type |
|----------|-----------|

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: 0.266 Revision Date: 09-30-2020 |
|----------------------|--|

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

[1858A B591000](#) [1858A B59500](#) [1858A 0061000](#) [1858A 006500](#) [1858A 0051000](#) [1858A 0021000](#) [1858A 002500](#)
[1858A 0041000](#) [1858A 004500](#) [1858A B594000](#)