

1858A Coax - RG-11/U Type

For more Information
please call

1-800-Belden1

**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 |

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 (Install)/Minor Axis: 5.500 in.

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

EU CE Mark: No

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| | |
|---------------------------------------|------------|
| 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)**Related Documents:**

No related documents are available for this product

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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