


Product: [1523AN](#) 

CATV Video, RG11, #14 BCCS, Foil + 60% Braid



### Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II; aluminum braid shield (60% coverage), PVC jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material                         | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 14  | Solid     | BCCS - Bare Copper Covered Steel | 0.064 in         | 1           |

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

##### Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.28 in          |

|                         |              |
|-------------------------|--------------|
| Insulation, Table Note: | Gas Injected |
|-------------------------|--------------|

##### Outer Shield Material

| Type  | Layer | Material           | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape  | 1     | Alum / Poly / Alum | Bonded Duofoil®     | 100 %        |
| Braid | 2     | Aluminum           |                     | 60 %         |

##### Outer Jacket Material

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.4 in           |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 11 Ohm/1000ft         | 11 Ohm/1000ft                              | 4.1 Ohm/1000ft           | 4.1 Ohm/1000ft      |

##### Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.2 pF/ft                           |

##### Inductance

| Nominal Inductance |
|--------------------|
| 0.097 µH/ft        |

##### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm                           |

##### Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
|                 |                                   |

|            |       |
|------------|-------|
| 5-1000 MHz | 20 dB |
|------------|-------|

#### Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.2 ns/ft     | 83 %                                     |

#### High Freq

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 5 MHz           | 0.38 dB/100ft                     |
| 55 MHz          | 0.97 dB/100ft                     |
| 211 MHz         | 1.81 dB/100ft                     |
| 270 MHz         | 2.05 dB/100ft                     |
| 300 MHz         | 2.15 dB/100ft                     |
| 350 MHz         | 2.32 dB/100ft                     |
| 400 MHz         | 2.47 dB/100ft                     |
| 450 MHz         | 2.65 dB/100ft                     |
| 550 MHz         | 2.94 dB/100ft                     |
| 750 MHz         | 3.5 dB/100ft                      |
| 870 MHz         | 3.84 dB/100ft                     |
| 1000 MHz        | 4.23 dB/100ft                     |

#### Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 300 V RMS             |

#### Temperature Range

|                       |                |
|-----------------------|----------------|
| Non-UL Temp Rating:   | 80°C           |
| Operating Temp Range: | -40°C To +80°C |

#### Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 59 lbs/1000ft |
| Max Recommended Pulling Tension: | 260 lbs       |
| Min Bend Radius/Minor Axis:      | 4 in          |

#### Standards

|                |           |
|----------------|-----------|
| CPR Euroclass: | Eca       |
| Series Type:   | Series 11 |

#### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| Environmental Space:                  | Indoor (Not Riser or Plenum)  |
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/11/EC (BFR):        | 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 |
|-----------------------|-----|

#### Flammability, LS0H, Toxicity Testing

|                       |               |
|-----------------------|---------------|
| ISO/IEC Flammability: | IEC 60332-1-2 |
|-----------------------|---------------|

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

#### Part Number

## Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 1523AN 0101000 | Black | Reel       | 1,000 ft | 612825117070 |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.267 Revision Date: 04-28-2020 |
|----------------------|--|

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