



**Product:** [1189A](#) 

Broadband Coax, Series 6, 18 AWG Solid BCCS, Quad Shield, PVC Jkt, CM

## Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, Foil + 60% Aluminum Braid + Foil + 40% Aluminum Braid Shield, PVC Jacket, CM

## Technical Specifications

### Product Overview

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Suitable Applications: | Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas |
|------------------------|--------------------------------------------------------------------------------|

### Construction Details

|              |   |
|--------------|---|
| Series Type: | 6 |
|--------------|---|

#### Conductor

| Size   | Stranding | Nom. Diameter | Material                         |
|--------|-----------|---------------|----------------------------------|
| 18 AWG | Solid     | 0.040 in      | BCCS - Bare Copper Covered Steel |

#### Insulation

| Material                 | Nom. Insulation Diameter | Color Code |
|--------------------------|--------------------------|------------|
| PE - Polyethylene (Foam) | 0.180 in (4.57 mm)       | White      |

#### Outer Shield

| Layer | Outer Shield Type | Material                      | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1     | Tape              | Tri-Laminate (Alum+Poly+Alum) | Duobond® II         | 100%     |
| 2     | Braid             | Aluminum                      |                     | 60%      |
| 3     | Tape              | Tri-Laminate (Alum+Poly+Alum) | Duofoil®            | 100%     |
| 4     | Braid             | Aluminum                      |                     | 40%      |

#### Outer Jacket

| Material                 | Nom. Diameter      |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.294 in (7.47 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.294 in (7.47 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Return Loss

| Frequency    | Min. Structural Return Loss |
|--------------|-----------------------------|
| 5 - 1000 MHz | 20 dB                       |

#### Attenuation

| Frequency | Max. Attenuation |
|-----------|------------------|
| 5 MHz     | 0.67 dB/100ft    |
| 55 MHz    | 1.60 dB/100ft    |
| 211 MHz   | 2.87 dB/100ft    |
| 250 MHz   | 3.30 dB/100ft    |
| 270 MHz   | 3.24 dB/100ft    |
| 300 MHz   | 3.43 dB/100ft    |
| 330 MHz   | 3.74 dB/100ft    |

|          |               |
|----------|---------------|
| 350 MHz  | 3.72 dB/100ft |
| 400 MHz  | 4.00 dB/100ft |
| 450 MHz  | 4.26 dB/100ft |
| 500 MHz  | 4.66 dB/100ft |
| 550 MHz  | 4.71 dB/100ft |
| 600 MHz  | 5.10 dB/100ft |
| 750 MHz  | 5.59 dB/100ft |
| 870 MHz  | 6.00 dB/100ft |
| 1000 MHz | 6.54 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR      | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|--------------------|----------------------------|---------------------------------|-------------------------------|------------------------|
| 28 Ohm/1000ft      | 4.8 Ohm/1000ft (16 Ohm/km) | 16.2 pF/ft (53.1 pF/m)          | 75 Ohm                        | 83%                    |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CM)        |

Mechanical Characteristics

Temperature

| Operating      |
|----------------|
| -40°C to +80°C |

Bend Radius

| Installation Min. |
|-------------------|
| 2.9 in (74 mm)    |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 176 lbs (79.8 kg) |
| Bulk Cable Weight: | 32 lbs/1000ft     |

Standards and Compliance

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor, Aerial - Black only, When supported by messenger wire                                      |
| Sustainability:                  | CA Prop 65                                                                                                                       |
| Flammability / Reaction to Fire: | UL1685 UL Loading                                                                                                                |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                               |
| NEC / UL Compliance:             | CM, CATV                                                                                                                         |
| CEC / C(UL) Compliance:          | CM.                                                                                                                              |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                        |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                                  |
| Other Standard Compliance(s):    | ANSI/SCTE 74                                                                                                                     |
| Plenum Number:                   | 1189AP                                                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.506 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | Putup Type          | Length   | UPC          |
|----------------|-------|---------------------|----------|--------------|
| 1189A 0101000  | Black | Reel                | 1,000 ft | 612825309680 |
| 1189A 010U1000 | Black | UnReel              | 1,000 ft | 612825309673 |
| 1189A 010N1000 | Black | Reel w/Small Barrel | 1,000 ft | 612825108092 |
| 1189A 0105000  | Black | Reel                | 5,000 ft | 612825108115 |
| 1189A 009U1000 | White | UnReel              | 1,000 ft | 612825108061 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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