



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 |
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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

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| Update and Revision: | Revision Number: 0.505 Revision Date: 09-07-2025 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|----------------|--------------|---------------------|----------|--------------|----------|
| 1189A 2901000 | Beige, Light | Reel | 1,000 ft | 612825108122 | |
| 1189A 010U500 | Black | UnReel | 500 ft | 612825108108 | |
| 1189A 010I000 | 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 009U500 | White | UnReel | 500 ft | 612825108078 | |
| 1189A 009I000 | White | Reel | 1,000 ft | 612825108085 | C |
| 1189A 009U1000 | White | UnReel | 1,000 ft | 612825108061 | |
| 1189A 009N1000 | White | Reel w/Small Barrel | 1,000 ft | 612825108054 | |

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