


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 |
|--------------------------|--------------------------|
| PE - Polyethylene (Foam) | 0.180 in (4.57 mm) |

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 (RL)

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

Attenuation

| Frequency | Max. Attenuation |
|-----------|------------------|
| 5 MHz | 0.58 dB/100ft |
| 55 MHz | 1.60 dB/100ft |
| 211 MHz | 3.05 dB/100ft |
| 250 MHz | 3.30 dB/100ft |
| 270 MHz | 3.37 dB/100ft |
| 300 MHz | 3.55 dB/100ft |

| | |
|----------|---------------|
| 330 MHz | 3.74 dB/100ft |
| 350 MHz | 3.85 dB/100ft |
| 400 MHz | 4.15 dB/100ft |
| 450 MHz | 4.40 dB/100ft |
| 500 MHz | 4.66 dB/100ft |
| 550 MHz | 4.90 dB/100ft |
| 600 MHz | 5.10 dB/100ft |
| 750 MHz | 5.65 dB/100ft |
| 870 MHz | 6.11 dB/100ft |
| 1000 MHz | 6.55 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 (92 Ohm/km) | 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 +75°C |

Bend Radius

| Installation Min. |
|-------------------|
| 2.9 in |

| | |
|--------------------|-------------------|
| 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, Sunlight Resistance |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL1685 UL Loading |
| 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) |
| 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: 0.384 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|--------------|---------------------|----------|--------------|
| 1189A 2901000 | Beige, Light | Reel | 1,000 ft | 612825108122 |
| 1189A 010U500 | Black | UnReel | 500 ft | 612825108108 |
| 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 009U500 | White | UnReel | 500 ft | 612825108078 |
| 1189A 0091000 | White | Reel | 1,000 ft | 612825108085 |
| 1189A 009U1000 | White | UnReel | 1,000 ft | 612825108061 |
| 1189A 009N1000 | White | Reel w/Small Barrel | 1,000 ft | 612825108054 |

© 2022 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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Coaxial Cables](#) category:

Click to view products by [Belden](#) manufacturer:

Other Similar products are found below :

[89880-003-1000](#) [CY2389-000](#) [8221-010-U1000](#) [9116-010-U500](#) [1322R-010-1000](#) [1807A-B59-U1000](#) [2020K8421-9X-CS3417](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [735A1-008-1000](#) [8212-010-U500](#) [480414-000](#) [7915A 009U1000](#) [5024A1311-0](#) [1281S5 010250](#) [1530A 010U1000](#) [9248 010U1000](#) [9244 0101000](#) [1694A 0081000](#) [1190A 0101000](#) [8241F J5C1000](#) [1674A TIN50](#) [7915A 0091000](#) [TRCH-50-2](#) [9066 0031000](#) [7805R 008100](#) [1674A TIN100](#) [9116SB 0101000](#) [9271 0061000](#) [1613A 0101000](#) [1807A B591000](#) [5339Q5 009U500](#) [539945 0091000](#) [9116R 0101000](#) [89207 010100](#) [9058 0101000](#) [8241A 0101000](#) [DA7805R 0101000](#) [C6424](#)