



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

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

Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.180 in

Outer Shield Material

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

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.294 in

Electrical Characteristics

Return Loss (RL)

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

Attenuation

Frequency	Max. Attenuation [dB/100ft]
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. Impedence	Nom. Velocity
28 Ohm/1000ft	4.8 Ohm/1000ft	16.2 pF/ft	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

Bulk Cable Weight:	32 lbs/1000ft
Max. Pull Tension:	176 lbs

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading
NEC / UL Compliance:	CM, CATV
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), 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: 0.371 Revision Date: 09-30-2020
----------------------	--

© 2020 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

[1189A 0101000](#) [1189A 0091000](#) [1189A 010U500](#)