




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

Broadband Coax, Series 6, 18 AWG Solid BCCS, Quad Shield, Flamarrest® Jkt, CMP

**Product Description**

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Aluminum Braid + Foil + 40% Aluminum Braid Shield, Flamarrest® Jacket, CMP

**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
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 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	0.248 in

**Electrical Characteristics**

**Return Loss (RL)**

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

**Attenuation**

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	2.9 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	6.1 dB/100ft

750 MHz	6.4 dB/100ft
900 MHz	7.1 dB/100ft
1000 MHz	7.6 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	16.3 pF/ft	75 Ohm	83%

#### Voltage

<b>UL Voltage Rating</b>
300 V (CMP)

## Mechanical Characteristics

#### Temperature

<b>Operating</b>
0°C to +75°C

#### Bend Radius

<b>Installation Min.</b>
2.5 in

Bulk Cable Weight:	29 lbs/1000ft
Max. Pull Tension:	176 lbs

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262
NEC / UL Compliance:	CMP, CATVP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	1189A

## History

Update and Revision:	Revision Number: 0.355 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.