




Product: [1617AP](#) 

Broadband Coax, Series 11, 14 AWG Solid BCCS, Quad Shield, PVDF Jkt, CMP

Product Description

Broadband Coax, Series 11, 14 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Aluminum Braid + Foil + 40% Aluminum Braid Shield, PVDF Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Direct Broadcast Satellite (DBS), Over-The-Air (OTA) antennas
------------------------	------------------------------------------------------------------------------------------------------------------

Construction Details

Series Type:	11
--------------	----

Conductor

AWG	Stranding	Nom. Diameter	Material
14	Solid	0.064 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 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
PVDF - Polyvinylidene Fluoride	0.372 in

Electrical Characteristics

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss [dB]
5 - 1000 MHz	20 dB
1000 - 2250 MHz	15 dB

Attenuation

Frequency	Max. Attenuation [dB/100ft]
5 MHz	0.38 dB/100ft
55 MHz	1.12 dB/100ft
211 MHz	2.24 dB/100ft
240 MHz	2.43 dB/100ft
270 MHz	2.59 dB/100ft
300 MHz	2.75 dB/100ft

325 MHz	2.92 dB/100ft
350 MHz	3.08 dB/100ft
400 MHz	3.34 dB/100ft
450 MHz	3.64 dB/100ft
500 MHz	3.92 dB/100ft
550 MHz	4.19 dB/100ft
600 MHz	4.48 dB/100ft
750 MHz	5.31 dB/100ft
870 MHz	5.86 dB/100ft
1000 MHz	6.53 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
12 Ohm/1000ft	3 Ohm/1000ft	16.3 pF/ft	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
150°C	-20°C to +150°C

Bend Radius

Installation Min.
3.7 in

Bulk Cable Weight:	62 lbs/1000ft
Max. Pull Tension:	234 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:	1617A, 7999A

History

Update and Revision:	Revision Number: 0.234 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.