



Product: [1613AP](#)

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

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 77% Aluminum Braid + Foil 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

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

Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 mm)

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Aluminum		77%
3	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.239 in (6.07 mm)

Electrical Characteristics

Return Loss (RL)

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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
28.0 Ohm/1000ft (91.9 Ohm/km)	5.6 Ohm/1000ft (18 Ohm/km)	16.2 pF/ft (53.1 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-5°C to +75°C

Bend Radius

Installation Min.
2.4 in

Max. Pull Tension:	167 lbs (75.7 kg)
Bulk Cable Weight:	29 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	1613A, 1613B, 1613R

History

Update and Revision:	Revision Number: 0.168 Revision Date: 11-09-2022
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1613AP 0091000	White	Reel	1,000 ft	612825119111
1613AP 009U1000	White	UnReel	1,000 ft	612825119104

© 2023 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.