



Product: [1618A](#)

CATV Video, RG11, 14 AWG BCCS, Quad Shield , Waterblocked



Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper Covered Steel	0.064 in	1
Conductor Count:			1	

Insulation	
Material	Nominal Diameter
PE - Polyethylene (Foam)	0.28 in
Insulation Table Notes: Gas Injected	

Outer Shield				
Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		60%
Tape	3	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	4	Aluminum		40%
Outer Shield Table Notes:			CoreGuard®	

Outer Jacket	
Material	Nominal Diameter
PE - Polyethylene	0.407 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
11 Ohm/1000ft	3 Ohm/1000ft	3 Ohm/1000ft

Capacitance
Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance
Nominal Inductance
0.097 µH/ft

Impedance
Nominal Characteristic Impedance
75 Ohm

Return Loss

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

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.2 ns/ft	83%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	0.96 dB/100ft
211 MHz	1.9 dB/100ft
270 MHz	2.13 dB/100ft
300 MHz	2.25 dB/100ft
350 MHz	2.42 dB/100ft
400 MHz	2.6 dB/100ft
450 MHz	2.75 dB/100ft
550 MHz	3.04 dB/100ft
750 MHz	3.65 dB/100ft
870 MHz	4.06 dB/100ft
1000 MHz	4.35 dB/100ft

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature Range:	-55°C To +80°C
------------------------------	----------------

Mechanical Characteristics

Bulk Cable Weight:	52 lbs/1000ft
Maximum Recommended Pulling Tension:	308 lbs
Minimum Minor Axis Bend Radius:	4.25 in

Standards

RG Type:	11
Series Type:	11

Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Water Exposure
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1618A 0101000	Black	Reel	1,000 ft	612825119296
1618A 0031000	Orange	Reel	1,000 ft	612825119289

History

Update and Revision:	Revision Number: 0.388 Revision Date: 02-03-2025
----------------------	--

© 2025 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.