



**Product:** [1694ABHDLW](#)

6 GHz RG6 BNC Connector, Locking, Watertight

**Product Description**  
RG-6, 6 GHz, HD, BNC, 1 piece locking connector, watertight

**Technical Specifications**

**Product Overview**

Suitable Applications:	HD-SDI, Video, Digital Video, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080P
------------------------	---

**Physical Characteristics (Overall)**

Packaging:	50 per package
------------	----------------

**Connectors**

**Materials**

Description	Material
Nut	Brass, Nickel Plated
Body	Brass, Nickel Plated
Contact	Brass, Gold Plated
Insulator	PTFE

**Electrical Characteristics**

**Impedance**

Nominal Characteristic Impedance
75 Ohm

**Return Loss (RL)**

Frequency [MHz]	Minimum Return (RL)
5-1485	15 dB
1485-3000	10 dB
3000-4500	7 dB

Electrical Characteristics Notes:	SMPTE 2081-1 Return Loss or better to 4.5 GHz
-----------------------------------	---

**Mechanical Characteristics**

Footprint/Type:	Coax
Connector Interface Type:	BNC
Gender:	Male - plug
Connector Series Name:	HD
Color Band:	Green
Locking:	Yes
Tool Compatibility:	CPLCRBC-BR (compression), PSA59/6 (strip)
Termination Type:	Compression

**Standards**

RG Type:	6
----------	---

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	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)

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

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

Related Part Numbers

Variants

Item #	Color	UPC
1694ABHDLW	Green	845671002805

Footnote:	Q - STANDARD PACKAGES CANNOT BE BROKEN.
-----------	---

History

Update and Revision:	Revision Number: 0.157 Revision Date: 03-04-2023
----------------------	--

© 2024 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.