

Part Number: 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**

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Environmental Space:   | Indoor/Outdoor                                                                          |
| 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                               |

**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                               |
| Cable Center Conductor Diameter Limits: | 0.3740 - 0.0401 in                        |
| Cable Dielectric Diameter Limits:       | 0.1771 - 0.1850 in                        |

|                                     |                    |
|-------------------------------------|--------------------|
| Cable Outer Jacket Diameter Limits: | 0.2657 - 0.2854 in |
|-------------------------------------|--------------------|

Standards

|          |          |
|----------|----------|
| RG Type: | 6/U Type |
|----------|----------|

Applicable Environmental and Other Programs

|                                    |                               |
|------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):     | Yes                           |
| EU Directive 2011/65/EU (ROHS II): | Yes                           |
| EU Directive 2012/19/EU (WEEE):    | Yes                           |
| EU Directive 2015/863/EU:          | Yes                           |
| EU Directive Compliance:           | EU Directive 2003/11/EC (BFR) |

Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #     | Color | UPC          | Footnote |
|------------|-------|--------------|----------|
| 1694ABHDLW | Green | 845671002805 | Q        |

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

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.45 Revision Date: 07-11-2019 |
|----------------------|-------------------------------------------------|

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