

**1-Piece BNC Broadcast Compression Connector**

Belden introduces the new 1-Piece HD Brilliance® BNC Compression Connector. This 1-piece connector offers faster, more consistent field installation with the same excellent signal quality and performance as traditional three-piece connectors. Brilliance® connectors are specifically designed for use with Brilliance® cable, creating the perfect connector-to-cable combination.



- Offers excellent Return Loss performance
- Faster and simpler installation
- Belden end-to-end solution using proven compression technology
- Belden's patented extended head knurl nut design for easy gripping when installing
- Limited Lifetime Connector Warranty when partnered with Belden Brilliance® Cable
- Superior pullout strength

**Physical Properties**

- Brass Material

**Environmental Properties**

- Temperature Rating: -40 °F (-40 °C) to 140 °F (60 °C)
- Corrosion: ASTM B117

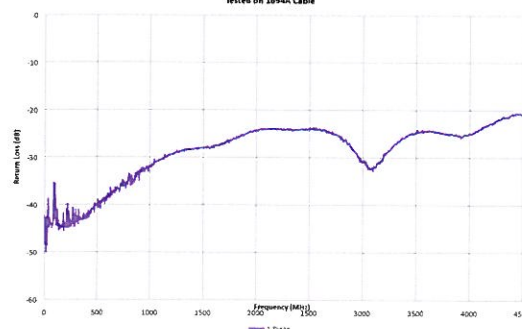
**Mechanical Properties**

- Durability: 500 Cycles Minimum

**Electrical Properties**

- Return Loss: < -22 dB to -32 dB (1 GHz to 4.5 GHz)
- Voltage Rating: 500V RMS
- Insulation Resistance: >5000 Megaohms at 100 Vdc

Connector RL Performance  
Tested on 1694A Cable



Part Number	Description	Type	Finish	Color Band	Impedance (ohms)	Pullout Strength	RL@3 GHz	RL@3.5 GHz	RL@4 GHz	RL@4.5 GHz	QTY
1505ABHD1	RG59BNC HD Connector	1-Piece Compression	Polished Nickel	Red	75	73(+)	-31 dB	-31 dB	-25 dB	-21 dB	50
1506ABHD1	RG59 Plenum Size 2/4 BNC HD Connector	1-Piece Compression	Polished Nickel	Red	75	73(+)	-31 dB	-31 dB	-25 dB	-21 dB	50
1694ABHD1	RG6BNC HD Connector	1-Piece Compression	Polished Nickel	Green	75	103(+)	-31 dB	-31 dB	-25 dB	-21 dB	50
1695ABHD1	RG6 Plenum Size 2 BNC HD Connector	1-Piece Compression	Polished Nickel	Green	75	103(+)	-31 dB	-31 dB	-25 dB	-21 dB	50
1855ABHD1	22-24 AWG BNC HD Connector	1-Piece Compression	Polished Nickel	Purple	75	67(+)	-31 dB	-31 dB	-25 dB	-21 dB	50
1790TBHD1	179 Digital Truck BNC Connector	1-Piece Compression	Polished Nickel	Yellow	75	Exceeds Cable Strength	-31 dB	-31 dB	-25 dB	-21 dB	50

Part Number	Description	QTY
BBRGST	59/6 Strip Tool for RG59 or RG6 Cable	1
BBRGBST	RGB Strip Tool for Mini RGB Cable 22-26 AWG	1
BBCOMT	Compression Tool for BB Series F, RCA and BNC Connectors	1
BBTEKIT	Tool Express Kit w/ Compression Tool for BB Series Connector and Strip Tool for RG 59 & RG 6 Cable	1



# BELDEN®

SENDING ALL THE RIGHT SIGNALS®

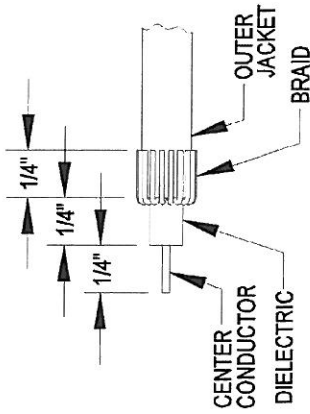
## ONE PIECE BNC INSTALLATION INSTRUCTIONS

Connector P/N: 1694ABHD1,  
1695ABHD1, 1505ABHD1,  
1506ABHD1, 1855ABHD1,  
179DTBHD1

Compression tool: BBCOMT

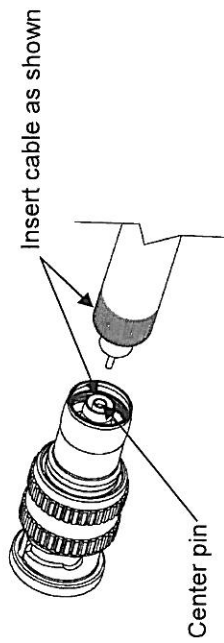
Tip Required: None

Preparation tool: BBRGST or  
BBRGSST



Step 1

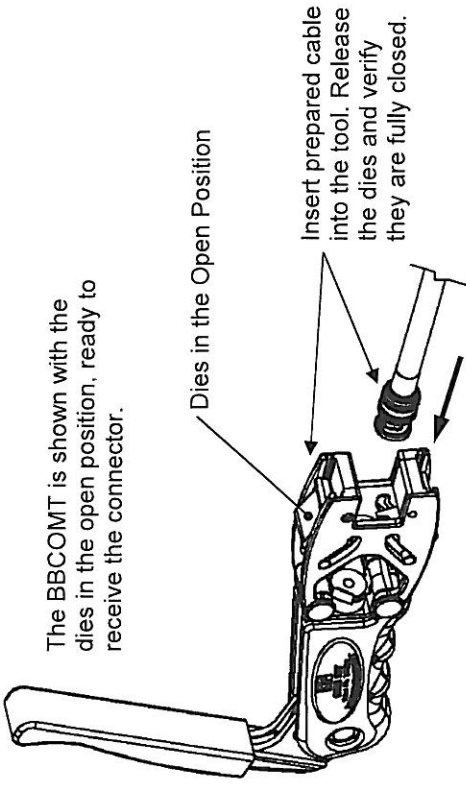
Prepare the cable according to step 1 to achieve the proper braid exposure and center conductor length. Fold the braid against the outer jacket as shown. Twist the foil tightly against the dielectric and verify there are no loose braids or foil touching the center conductor.



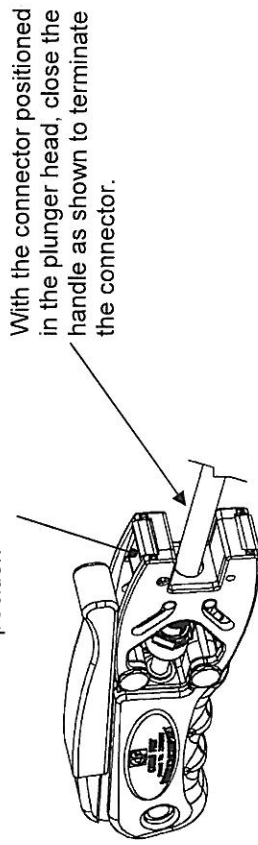
Center pin is aligned with inner ring once cable is in place

Step 2

Step 3



Step 4



Step 5

