

Product Specifications

3-Piece BNC Broadcast Crimp Connector

Belden introduces the new 3-Piece HD Brilliance® BNC Crimp Connector. The 3-piece connector delivers excellent return loss performance and quality that exceeds expectations of the typical 3-piece connector; featuring a precision machined BNC nut and extended head knurl nut for easy grip.

- Enhanced to fit perfectly with Belden Brilliance® Cable for strong and dependable signal delivery and performance
- Center pin is crimped in place with easy installation tool
- Comes with Belden's patented extended head knurl nut design for easy gripping for installation
- Excellent Return Loss through 4.5 GHz
- Exceeds SMPTE Specifications
- Limited Lifetime Connector Warranty when partnered with Belden Brilliance® Cable
- Color coded to cable

Physical Properties

- Brass Material

Environmental Properties

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

Mechanical Properties

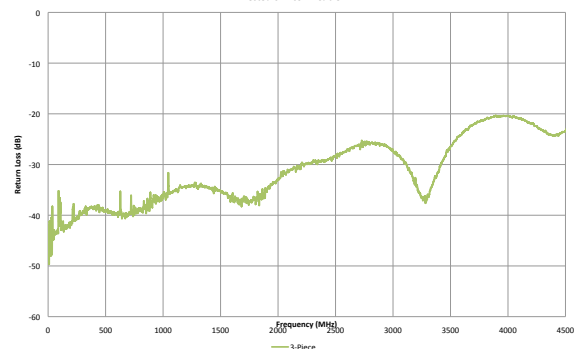
- Durability: 500 Cycles Minimum
- Center Contact Retention: >6 lbs.

Electrical Properties

- Return Loss: < -20 dB - 32 dB 1 GHz - 4.5 GHz
- Voltage Rating: 500V RMS
- Insulation Resistance: >5000 Megaohms at 100 Vdc



Connector RL Performance
Tested on 1694A Cable



Part Number	Connector Description	Type	Finish	Color Band	Impedance (ohms)	Pullout Strength	RL@3 GHz	RL@3.5 GHz	RL@4 GHz	RL@4.5 GHz	QTY
1505ABHD3*	RG59BNC HD Connector	3-Piece Crimp	Polished Nickel	Red	75	72(+)	-27 dB	-27 dB	-21 dB	-23 dB	50
1694ABHD3*	RG6BNC HD Connector	3-Piece Crimp	Polished Nickel	Green	75	90(+)	-27 dB	-27 dB	-21 dB	-23 dB	50
1855ABHD3	22-24 AWG BNC HD Connector	3-Piece Crimp	Polished Nickel	Purple	75	75(+)	-27 dB	-27 dB	-21 dB	-23 dB	50
179DTBHD3	179 Digital Truck BNC Connector	3-Piece Crimp	Polished Nickel	Yellow	75	See Cable Spec	-27 dB	-27 dB	-21 dB	-23 dB	50

* These connectors can be used with a Plenum Cable

Part Number	Tool Description	QTY
BB3PHCT	Belden Brilliance® Three-Piece Hex Connector Tool	1
BB3PHCT-D	Replacement Die for BB3PHCT	1
BB3PST	Belden Brilliance® Three-Piece Strip Tool	1
BB3PST-C	Replacement Cassette for BB3PST	1

Mouser Electronics

Authorized Distributor

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