

Product Specifications

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

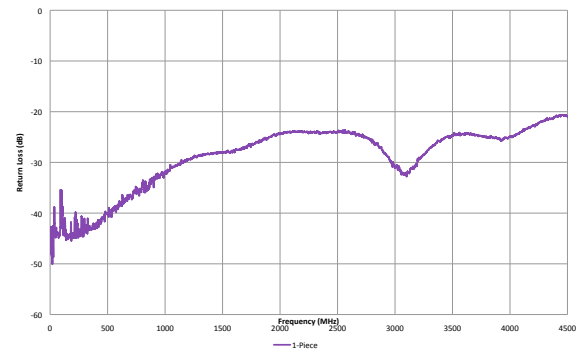
- Durability: 500 Cycles Minimum

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
179DTBHD1	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