

Product Specifications

Locking 1-Piece BNC Broadcast Compression Connector

Belden introduces the new Locking 1-Piece HD Brilliance® BNC Compression Connector. In addition to faster and more consistent 1-piece field installation, it features a screw-lock collar to lock the bayonet nut of the BNC in position, ensuring superior performance.



- Designed to fit with Belden Brilliance® cables, it creates the perfect cable-to-connector combination
- Screw-lock collar provides superior electrical signal performance by creating coaxial alignment between the cable and connector center pin
- Superior Return Loss through 4.5 GHz
- True 75 Ω performance
- Extended BNC head knurl nut design to ease identification and installation
- Exceeds SMPTE Specifications
- Superior pullout strength

Physical Properties

- Brass Material

Environmental Properties

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

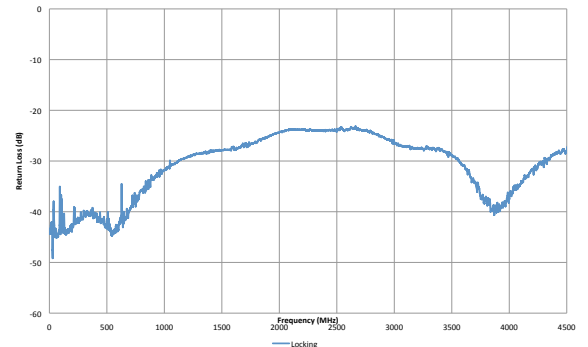
Mechanical Properties

- Durability: 500 Cycles Minimum

Electrical Properties

- Return Loss: -23 dB to -45 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
1505ABHDL	RG59BNC HD Connector	1-Piece Locking	Polished Nickel	Red	75	73(+)	-26 dB	-29 dB	-39 dB	-29 dB	50
1506ABHDL	RG59 Plenum Size 2/4 BNC HD Connector	1-Piece Locking	Polished Nickel	Red	75	73(+)	-26 dB	-29 dB	-39 dB	-29 dB	50
1694ABHDL	RG6BNC HD Connector	1-Piece Locking	Polished Nickel	Green	75	103(+)	-26 dB	-29 dB	-39 dB	-29 dB	50
1695ABHDL	RG6 Plenum Size 2 BNC HD Connector	1-Piece Locking	Polished Nickel	Green	75	103(+)	-26 dB	-29 dB	-39 dB	-29 dB	50
1855ABHDL	22-24 AWG BNC HD Connector	1-Piece Locking	Polished Nickel	Purple	75	67(+)	-26 dB	-29 dB	-39 dB	-29 dB	50
179DTBHDL	179 Digital Truck BNC Connector	1-Piece Locking	Polished Nickel	Yellow	75	Exceeds Cable Strength	-26 dB	-29 dB	-39 dB	-29 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

