

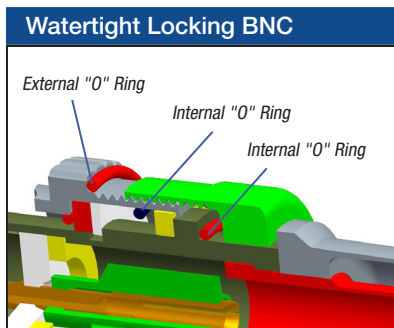
PB 508

Watertight Locking 1-Piece BNC Compression Connector

Belden introduces the Watertight Locking 1-Piece HD Brilliance® BNC Compression Connector. In addition to the patent-pending locking collar, this connector is designed to prevent moisture from penetrating the connector when installed on a female BNC port or with our BNC terminator.



Belden Watertight Locking 1-Piece HD Brilliance BNC Compression Connector eliminates moisture from entering the front and back of the connector



Watertight Locking 1-Piece HD Brilliance BNC Compression Connectors

Designed specifically for Belden Brilliance Broadcast and Professional A/V Coaxial Cables, HD Brilliance Connectors maximize broadcast signal integrity, quality, performance and durability.

The Watertight Locking Connector features a patent-pending locking design feature, a screw-lock collar to physically "lock" the bayonet nut of the BNC in position. This limits movement of the BNC head and creates coaxial alignment from the cable through the BNC center pin, delivering superior return loss performance.

In addition to the locking feature, the patent-pending Watertight Connector creates the industry's first environmentally sealed BNC connector. Additional sealing rings prevent moisture from penetrating the bayonet nut of the BNC at the front of the connector while the TRUE 360° double bubble compression impedes moisture at the back of the connector.

Key Benefits

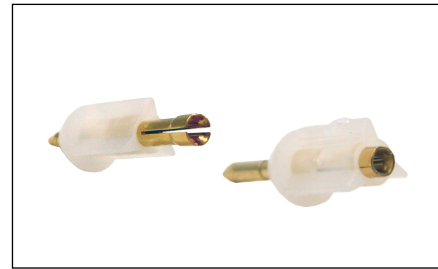
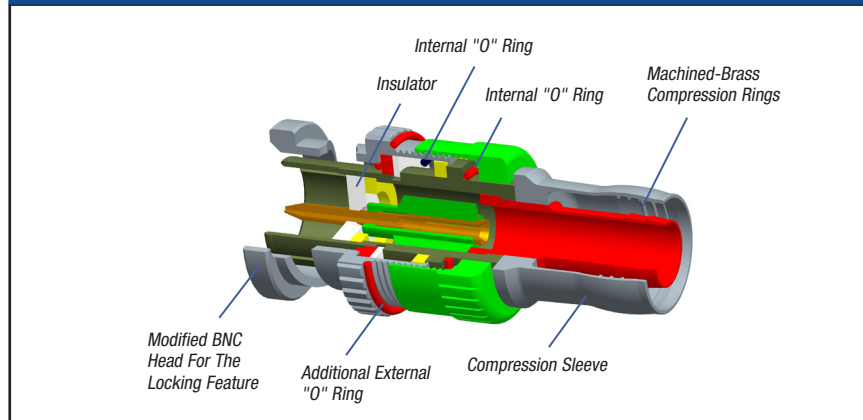
- Designed for optimum performance with Belden Brilliance® cables to create the industries best cable-to-connector signal performance
- The patent-pending design features an "o" ring at the base of the bayonet nut which creates a watertight seal preventing moisture from entering the front of the connector
- The TRUE 360° Double Bubble Compression impedes moisture from entering the back of the connector
- 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 75Ω Performance
- Exceeds SMPTE Specifications
- Superior pullout strength
- A 1-piece and non-blind entry design eliminates pin, collar and connector as separate components, simplifying and speeding the connection installation time
- Extended BNC head knurl nut design to ease installation and identification

Watertight Locking 1-Piece

The Watertight Locking 1-Piece HD Brilliance Compression Connector offers high-quality signal performance and is the industry's first environmentally sealed BNC connector.

- The base of the bayonet nut features an "o" ring to create a watertight seal and prevent moisture
- Screw-lock collar provides superior electrical signal performance by creating coaxial alignment between the cable and connector center pin, delivering return loss results that exceed -20 dB at 4.5 GHz
- Internal 360° machined-brass compression rings at the back of the connector provide excellent holding strength and eliminate ingress and egress

Internal Depiction of a Watertight Locking 1-Piece BNC



- An optional terminator cap is available which can be installed when the BNC is not connected to a port for further protection from moisture and debris
- 1-piece design eliminates pin, collar and connector as separate components, simplifying and speeding the connection installation time
- A non-blind entry provides the assurance that the center conductor is properly inserted into the BNC center pin
- Center pin collapses around the copper center conductor to form 360° compression as the cable is fully inserted into the connector

Product Offering

The Belden HD Brilliance Compression Connector offering targets Belden Brilliance Coaxial Cables most frequently used by Broadcast and Professional A/V engineers worldwide. The connector part number for the Watertight Locking BNC reflects the corresponding Brilliance cable part number.



Watertight Locking 1-Piece Connector

Part Number	Cable Type	Description	Impedance (ohms)	Color Band	Qty.	Tool Required
1694ABDLW	RG-6	RG-6 Watertight Locking HD BNC Compression Connector	75	Green	50	CPLCRBC-BR

Watertight Locking 1-Piece Terminator and Tools

Part Number	Description	Qty.
BNCTL	BNC Terminator w/Lanyard	50
PSA59/6	Cable Strip Tool for RG-6 & RG-59 Cables	1
CPLCRBC-BR	Double Bubble Compression Tool for HD Brilliance and Double Bubble Connectors	1
HT-LBNC	Insertion and Removal Tool for Locking BNC Connectors	1