

**NP 245**

**BNC and RCA Connectors**

Time saving, quick terminating BNC and RCA one-piece connectors for 75-ohm Mini Hi-Res Video Coaxial cables ensure a reliable cable connection. Easy-to-use tools simplify the connectorization process.



**Belden® Offers BNC and RCA Connectors For Miniature Hi-Res Video Coaxial Cables**

The Belden Brilliance® line now includes four one-piece connectors and a compression tool that facilitates fast, easy cable connectorization. These high quality BNC and RCA connectors feature a solid, one-piece brass construction, plated in your choice of nickel or gold, with gold-plated center pins. These connectors have two independent compression points to seal and hold the connector onto the coaxial cable and ensure excellent electrical contact. By having two compression points, and a patent-pending viewing window in the connector, installation becomes far less craft sensitive. A self-centering interior design ensures the coax conductor seats into the contact and holds for a flawless electrical connection.

BNC and RCA connectors can be used with Hi-Res Component Video Coaxial cables listed on the reverse side.

**Superior Performing Connectors**

Both BNC and RCA connectors feature a cable retention force of >40 lbs. and a center conductor holding force of >150 grams. The BNC connectors have a 5A current rating and a maximum working voltage of 300 Vrms. The RCA connectors have a 2A current rating, a maximum working voltage of 300 Vrms and a 75Ω style.

	RCA	BNC
Straight	1R25A (Ni)	1B25A (Ni)
	HC2910A (Gold)	HC2920A (Gold)
Right Angle	HC2911A (Gold)	HC2921A (Gold)

Compression Tool: HCCT

Coax Stripping Tool: HCST

**HCST Stripping Tool**



**HCCT Compression Tool**



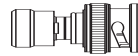
### Compatible Cables

25 AWG Solid Center Conductor  
Miniature Hi-Res RGB Coax Cables

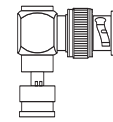
	CMR	CMP
1 Coax	1281R	1282P
<b>Banana Peel® Spline Constructions</b>		
3 Coax RGB	1281S3	1282S3
4 Coax RGBS	1281S4	1282S4
5 Coax RGBHV	1281S5	1282S5
6 Mini Coaxes	1281S6	1282S6
<b>Jacketed Constructions</b>		
3 Coax RGB	1277R	1277P
4 Coax RGBS	1278R	1278P
5 Coax RGBHV	1279R	1279P
6 Mini Coaxes	1280R	1280P

## One-piece, 75-Ohm Male Connectors For Mini Hi-Res Coaxial Cable BNC Connectors

**Straight**  
1B25A (Nickel)  
HC2920A (Gold)



**Right-angle**  
HC2921A (Gold)

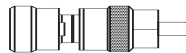


### Specifications

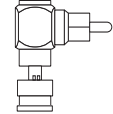
	Straight	Right-angle
Impedance	75Ω	75Ω
Frequency Range	DC–3.0 GHz (dependent upon cable limitations)	DC–3.0 GHz (dependent upon cable limitations)
Insertion Loss	<.1 dB @ 1 GHz	<.1 dB @ 1 GHz
Return Loss	>20 dB; 5–1000 MHz	>20 dB; 5–1000 MHz
Cable Retention Force	>40 lbs.	>40 lbs.
Center Conductor Contact Plating	>.0003" Gold on Beryllium Copper	>.0003" Gold on Beryllium Copper
Center Pin Retention	>150 grams	>150 grams
Mating Style	2-stud Bayonet Lock	2-stud Bayonet Lock
Current Rating	5 amp	5 amp
Max. Working Voltage	300 Vrms	300 Vrms
Body Material	Brass	Brass
Body Plating	Nickel or Gold	Nickel or Gold
RFI	>100 dB	>100 dB
Cable Attachment Method	Compression Style; 1-piece	Compression Style; 1-piece

## RCA Connectors

**Straight**  
1R25A (Nickel)  
HC2910A (Gold)



**Right-angle**  
HC2911A (Gold)



### Specifications

	Straight	Right-angle
Impedance	For 75Ω cables (75Ω style)	For 75Ω cables (75Ω style)
Cable Retention Force	>40 lbs.	>40 lbs.
Center Pin Plating	Gold on Beryllium Copper	Gold on Beryllium Copper
Center Pin Retention	>150 grams	>150 grams
Mating Style	RCA Standard Interface	RCA Standard Interface
Current Rating	2 amps	2 amps
Max. Working Voltage	300 Vrms	300 Vrms
Body Material	Brass	Brass
Body Plating	Nickel or Gold	Nickel or Gold
Cable Attachment Method	Compression Style	Compression Style