High Definition BNC Connectors

The Shadow **™** in the trade name for the best high definition BNC connector available at any price Shadow™ **BNC** connectors fit all standard broadcast cables and utilize most standard existing tooling. These connectors are made from precision machined brass. Insulator material is high density TFE to maintain a perfect dielectric constant. Bomar connectors utilize a .042 diameter gold plated contact pin to maintain the best return loss in high definition applications.

***The Shadow*™** is precision machined (not die-cast) from brass. A special black nickel plating is applied for a beautiful finish that is easily identifiable as a high definition connector. Each connector is precision matched to a specific cable type.
Uses standard commercial tooling.

Part Number	RoHS	Cable	Hex Crimp	Tool
HBC1505A	☑	1505A	.255/.042*	BDHD100
HBC1694A	☑	1694A	.324/.042*	BDHD100
HBC1694AX	☑	1694A	.278/.042*	BDHD100
HBC1855A	☑	1855A	.178/.042*	BDHD200
HBC179DT	☑	179DT	.213 ferrule only*	BDHD200
BD17900		12 Point Tool	.042 (pin only)	
* We recommend 12 point tool for .042 pin Bomar BD17900 (See Below)				
Other cable sizes are available by special order.				





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BD17900 crimp tool for <u>all</u> HD (.042 pin)

In an independent test ***The Shadow™*** *proved to have the best return loss results at 3GHz.*

Freq in GHz	Return Loss (No Cable)	Return Loss (No Cable)	Return Loss (No Cable)	Return Loss (No Cable)	Return Loss (No Cable)
xxx	**Bomar**	K-Brand	A-Brand	AM-Brand	T-Brand
2.0	**- 29.4 dB**	- 22.6 dB	- 23.3 dB	- 44.8 dB	- 21.4 dB

2.6	**- 26.6 dB**	- 20.3 dB	- 20.9 dB	- 22.3 dB	- 20.2 dB
3.0	**- 23.1 dB**	- 18.0 dB	- 17.4 dB	- 20.0 dB	- 19.0 dB

Bomar P/N HBC1694A HP8648C, Slotted Line (***Connector Only Used For True Results.)***

Once cable is applied . .

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