

Serial Digital BNC Connectors

Bomar's true 75 ohm BNC connectors fit all standard broadcast cables and utilize standard existing tooling. Made from precision machined brass, these rugged connectors maintain excellent return loss in analog and serial digital applications. 50 Ohm versions also available. Precision matched for each cable. The SBC number identifies the cable manufacturer's part number. An easy choice. - RoHS compliant

Part Number	Cable	Tool PN
SBC1164B	1164B	BDHD200
SBC1167B	1167B	BDHD200
SBC1407B	1407B	BDHD100
SBC1426	1426	BDHD100
SBC1505A	1505A	BDHD100
SBC1506A	1506A	BDHD100
SBC1520A	1520A	BDHD200
SBC1694A	1694A	BDHD100
SBC1695A	1695A	BD10410
SBC1855A	1855A	BDHD200
SBC1855A	1855A	BDHD200
SBC5565	5565	BDHD100
SBC5765	5765	BDHD100
SBC7501	7501	BDHD100
SBC7536	7536	BDHD100
SBC7538	7538	BDHD100
SBC7731A	7731A	BD11012A
SBC8279	8279	BDHD100

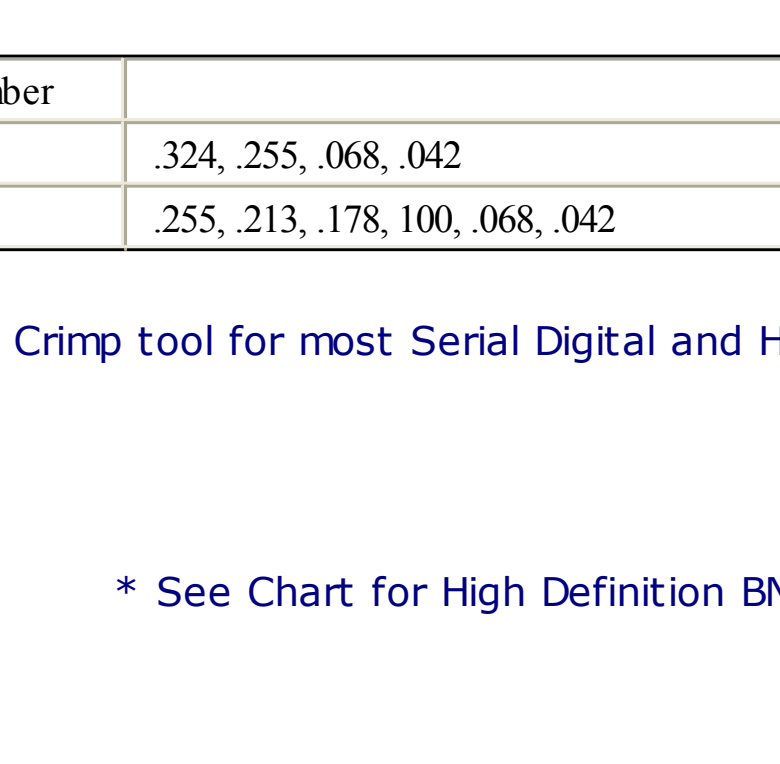


Connectors for many other cable part numbers available. Contact Bomar or your distributor.

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Part Number	Cable	Tool PN
SBC82108	82108	BDHD100
SBC8218	8218	BDHD200
SBC82259	82259	BDHD100
SBC8215	8215	BDHD100
SBC8241	8241(A)	BDHD100
SBC8279	8279(A)	BDHD100
SBC8281	8281(B)(F)	BDHD100
SBC8284	8284	BDHD100
SBC8281	8281	BDHD100
SBC89108	89108	BDHD100
SBC89259	89259	BDHD100
SBC9141	9141	BDHD100
SBC9165	9165	BDHD100
SBC9209	9209	BDHD100
SBC9221	9221	BD11016
SBC9231	9231	BDHD100
SBC9248	9248	BDHD100
SBC9259	9259, 9639	BDHD100



Part Number	Die Size
BDHD100	324, 255, 068, 042
BDHD200	255, 213, 178, 100, 068, 042

Crimp tool for most Serial Digital and HD BNC Plugs *

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* See chart for Serial Digital BNC above

* See Chart for High Definition BNC below

[In-stock distributor](#)



Ask for P/N BD44008

Bomar's new BNC removal tool allows easy removal of BNC connectors in dense patch panel applications.

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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. However, Bomar die sets are available for use with KTH1000 frame. - RoHS compliant

Part Number	Cable	Hex Crimp	Tool
HBC1505A	1505A	255/ .042*	BDHD100
HBC1694A	1694A	324/ .042*	BDHD100
HBC1855A	1855A	.178/ .042*	BDHD200
HBC179DT	179DT	.213 female only*	BDHD200
BD17900	12 Point Tool	.042 (pin only)	

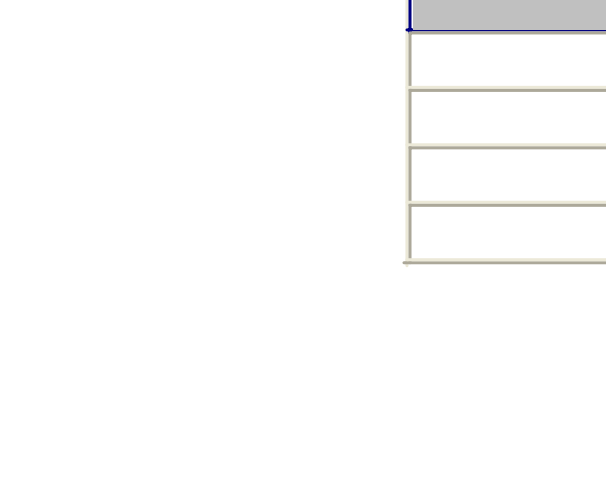
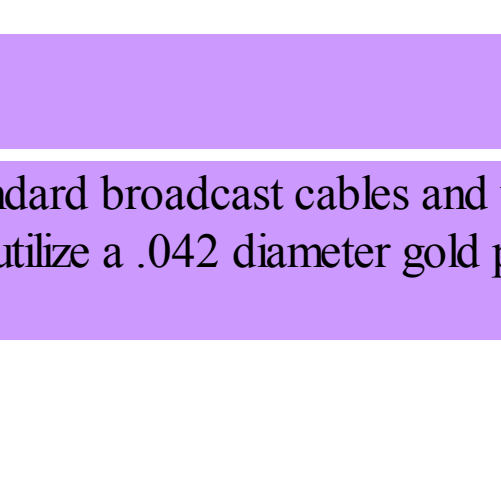
* We recommend 12 point tool for .042 pin

Other cable sizes are available by special order.

Bomar BD17900 (See Below)

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BD17900

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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)
	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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High Density BNC Connectors

Manufactured of precision-machined brass, this "High Density BNC" series is 51% smaller than traditional BNC devices, permitting four times the density, and 40% smaller than the DIN 1.0/2.3

Part No.	Fig.	Description
HHDI1505A	1	BNC Male High Density 1505A Cable 75ohm NEW!
HHDI1694A	1	BNC Male High Density 1694A Cable 75ohm NEW!
HHDI1855A	1	BNC Male High Density 1855A Cable 75ohm NEW!
HHDI335A744	2	BNC Female/Female High Density Bulkhead Adapter NEW!
BDHDH300	3	BNC High Density Removal Tool NEW!

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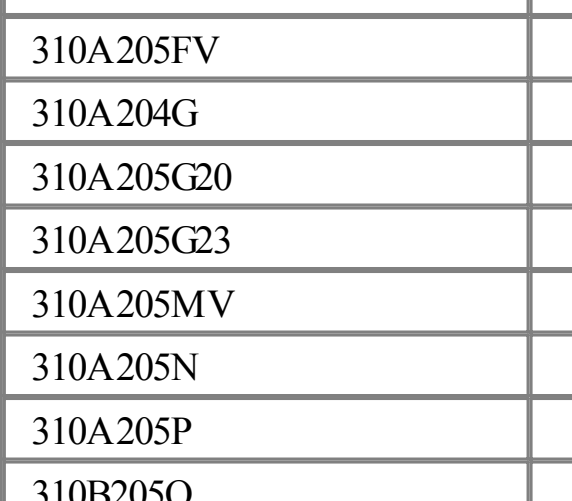


Fig. 1

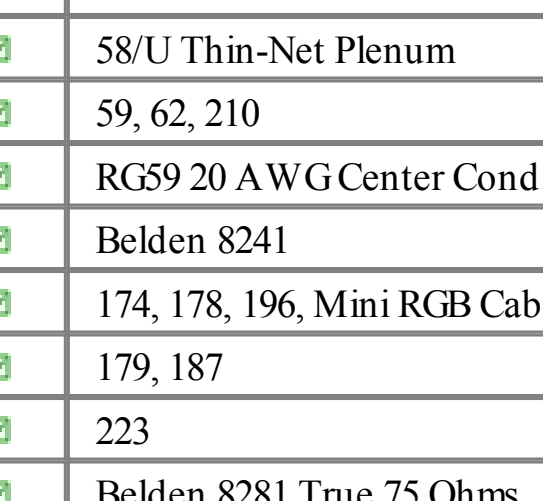


Fig. 2



Fig. 3

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Adapters

BNC three piece crimp connectors feature semi-captive contacts that "click" into place assuring perfect installation. Each crimp pin has a vent hole for optional soldering. Soldering is recommended for all stranded conductors 26 AWG or smaller.

Part No.	Fig.	Description
310A205A	1	6, 21AWG Center Conductor
310A205A18	1	6 CATV, 18AWG Center Conductor
310A204F	1	58A/U, 58CU Stranded, 141, Thin PVC
310A205FS	1	58/U Solid Conductor
310A205FV	2	58/U Thin-Net Plenum
310A204G	1	59, 62, 210
310A205G20	1	RG59 20 AWG Center Cond.
310A205G23	1	Belden 8241
310A205MV	3	174, 178, 196, Mini RGB Cable
310A205N	3	179, 187
310A205P	1	223
310B05SQ	1	Belden 8281 True 75 Ohms
310A200T	2	59, 62, Plenum
310A208W2	2	Mini 59, RGB Cable (26 AWG)
320A204F	4	58A/U, 58CU Stranded, 141, Thin PVC
320A204G	1	59, 62, 210
320A205FV	5	174, 178, 196, Mini RGB Cable
320A204T	5	59, 62, Plenum

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Analog N Connectors

N Series connectors are medium sized, and weatherproof. The coupling method utilizes a screw system designed for use at frequencies up to microwave. These connectors are particularly useful where precision performance is necessary such as in satellite communications, MATV, radio transmitter antenna systems and other high-tech electronic equipment. Because of the quality manufacturing tolerances these connectors ensure excellent performance throughout 0-18GHz

Part No.	Fig.	Description
110A205BC	6	"N" Cable Plug to F/RG8 and RG214 Cables

Two ferrules supplied: For applications with both RG8 and RG214 cables

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Adapters

Standard adapters are designed for analog and serial digital applications below 2 GHz. Shown below are some of the more popular types. Contact Bomar for a complete listing.

Part Number	Fig.	Description
1303505	1	N Male to BNC Male
1313505	2	N Male to BNC Female
1323505	3	N Female to BNC Female
132A505	4	N Female to BNC
151A505	5	N Right Angle Male to Female
330A505	6	BNC Male to Male
332A505	7	BNC F/F 50Q Splice
332A705	7	BNC F/F 75Q Splice
335A544	8	BNC F/F 50Q Panel
335A744	8	BNC F/F 75Q Panel
335K544	8	BNC F/F 50Q Isolated Panel
335K744	8	BNC F/F 75Q Isolated Panel
343A505	9	BNC F/M/F "T" Adapter
345A505	10	BNC F/F/F "T" Adapter
3313501	11	TNC Male to BNC Female
R0811	12	BNC Female to N Male
R0842	13	BNC Male to BNC Male
R0844	14	BNC Male to BNC Female
R0847	15	RCA Male to F Male
R0849	16	RCA Male to F Female

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Fig. 1

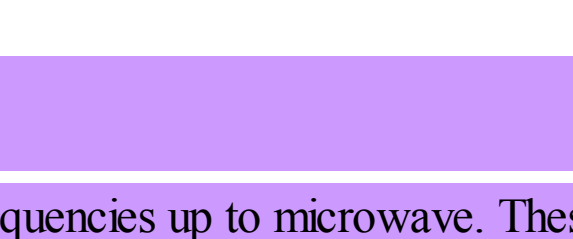


Fig. 3



Fig. 5



Fig. 7

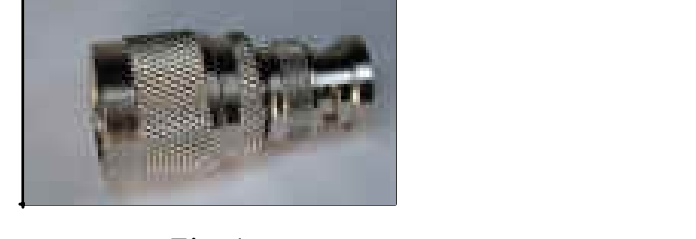


Fig. 9



Fig. 11

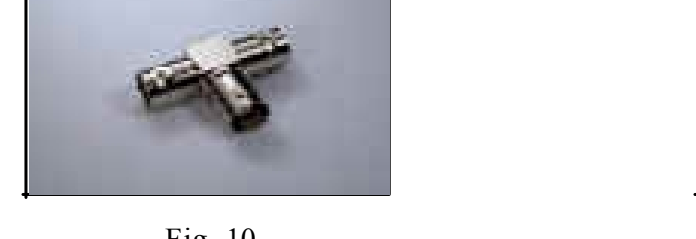


Fig. 13

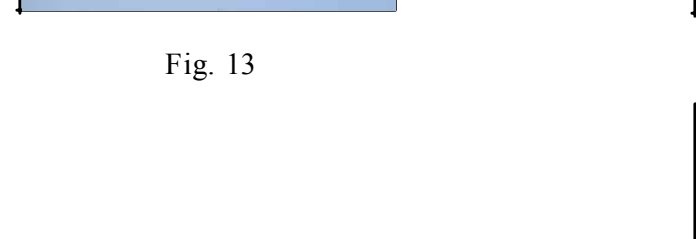


Fig. 14

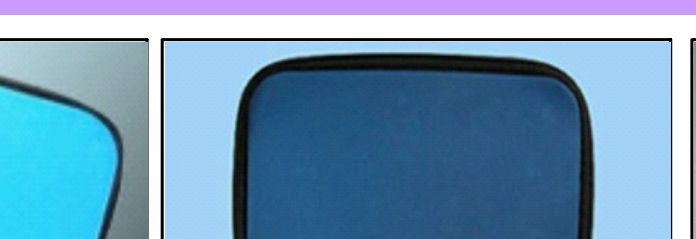


Fig. 15

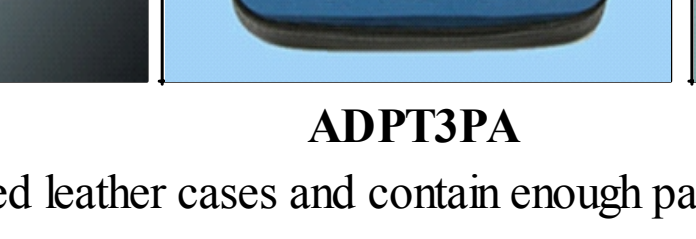


Fig. 16



Fig. 6



Fig. 2

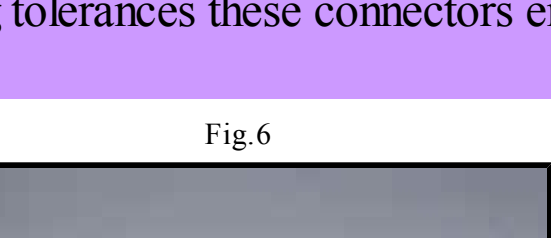


Fig. 4

Adapter Kits

ADPT1 is a (30) piece kit containing 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA, F, RCA and 8 universal adapters. Materials: machined brass, Gold plated contacts. (Commercial grade)

ADPT2 is a (40) piece kit containing 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA, F, RCA and 8 universal adapters. Materials: machined brass, Gold plated contacts. (Broadcast grade rated)

ADPT3PA (Power Kit) is a (8) piece kit containing 7/16 to N, N to N and 7/16 to 7/16 adapters. Materials: machined brass, Gold plated contacts.

ADPT4 RP (Antenna Kit) is a (42) piece kit containing (2) males and (2) females of N, BNC, UHF, TNC, TNC-RT, (Reverse Thread), TNC-CP (Reverse Polarity), SMA, and SMA-RP (Reverse Polarity) and 8 universal adapters. Materials: machined brass, nickel plated bodies, Gold plated contacts.



ADPT2 / ADPT1



ADPT3PA



ADPT4RP

(Kits are in zippered leather cases and contain enough parts for hundreds of combinations of adapters.)

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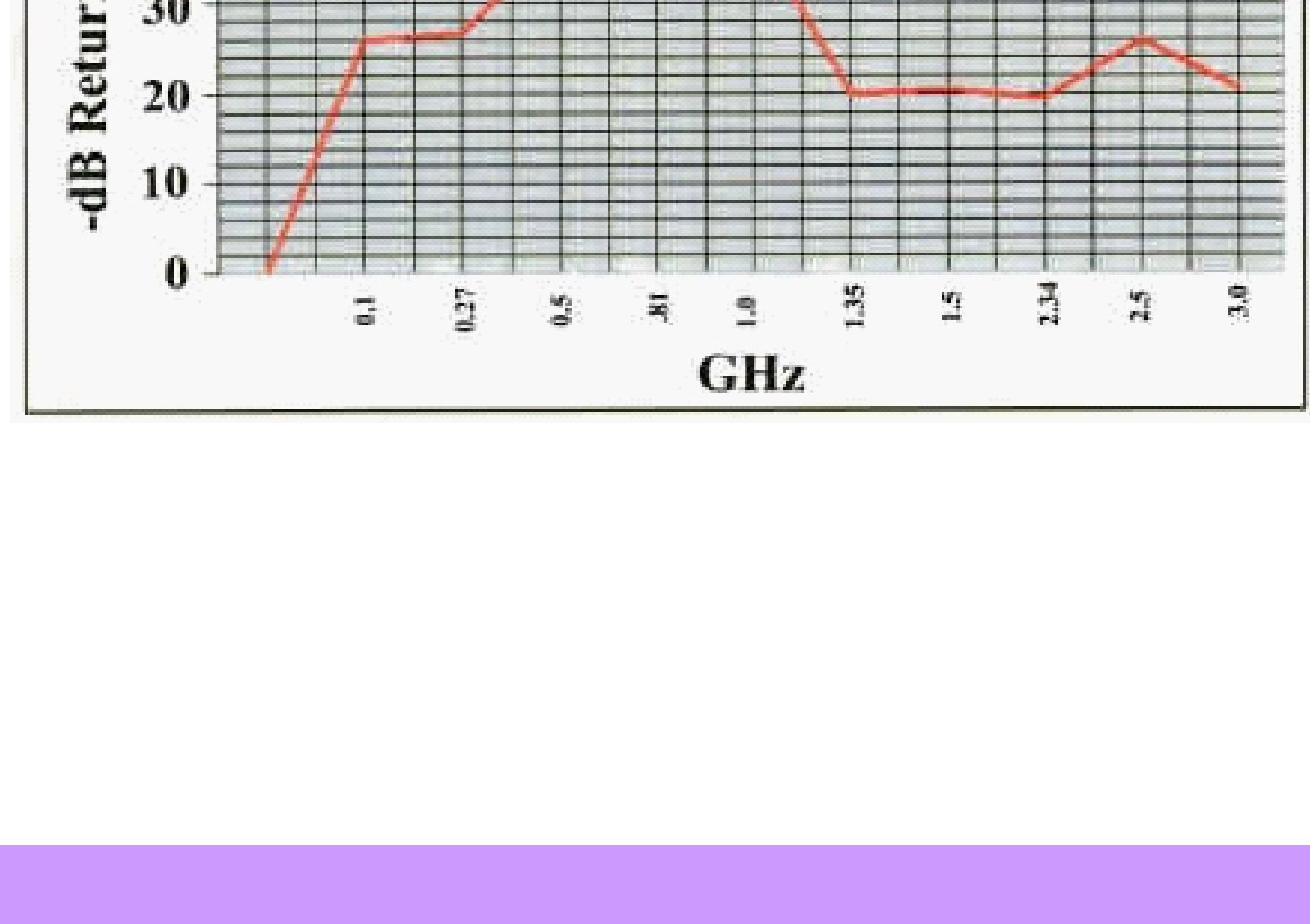
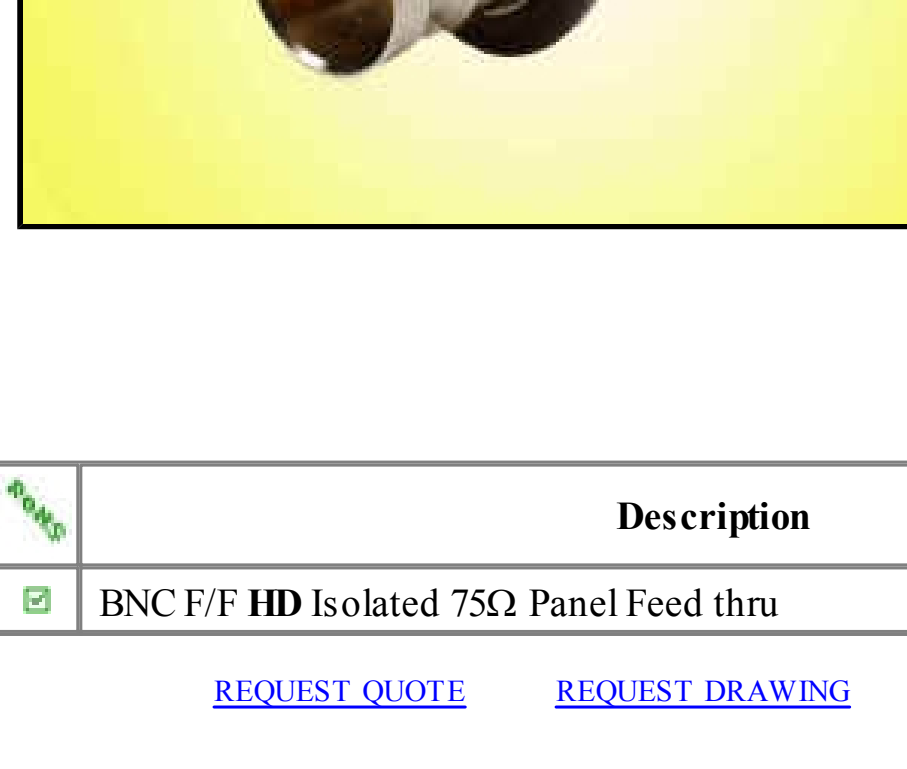
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The First BNC/Female / Female Isolated Panel Connector Rated for High Definition

This BNC connector was designed from the contact up to meet the rigid standards for HDTV. Bomar is the first to develop a panel connector of this type to perform as well at frequencies from 100MHz to 3 GHz. It is panel isolated and has a black nickel-plated threaded bushing and flange. This attractive black metal flange identifies the connector as one of the *Shadow™* HBC series HD connectors. Ask for HBC335R744.



Part No.	Description
HBC335R744	BNC F/F HD Isolated 75Q Panel Feed thru

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Standard 5% tolerance 50 ohm and 75 ohm terminators also available. Ask for 310X054 (50 ohm) and 310X075 (75 ohm)

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EZ-RJ45™

The new patented *EZ-RJ45™* connector simplifies installation by allowing the pairs to be inserted through the connector. There is no difficult to handle liner or wire bar to deal with. Inspection of the correct conductor order is done before crimping so no connector is wasted because of incorrect wiring. The conductors are able to be pulled forward so the pairs are very close to the contacts. This method allows the integrity of the pairs to maintain Category Five, and even enhanced Category 5 and Category 6 capabilities. (50 u. in. gold)

The *EZ-RJ45™* and both *EZ-RJ45™* can be crimped with most any standard tool, then trimmed with a cutter or small utility knife. However, the new BD45000 crimp tool crimps and trims the exposed conductors in one operation. The vertical action of the tool makes a uniform and positive crimp.

PartNo.	Description	
300566EZ	6P6C EZ-RJ12 Plug	RJ12
300568EZ	8P8C EZ-RJ45 Category 5 Plug	RJ45
300688EZ	8P8C EZ-RJ45 Category 6 Plug NEW	RJ45
300688SEZ	8P8C EZ-RJ45 Shielded Category 6 Plug NEW	RJ45
BD45000	Crimp and Trim Tool for EZ-RJ12, EZ-RJ45 Cat 5 & 6	----
BD45000BL	Replacement Blades (2 per Pkg.) for BD45000 Tool	----
CXB300EZ	Cable Boot with Strain Relief (Required for Cat 6)	----
CXB300EZ	Cable Boot SNAGLESS Cat 5 (color: clear) NEW	----
CXB600EZ	Cable Boot SNAGLESS Cat 6 (color: clear) NEW	----

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[Video Demo](#)



BD45000 Crimp & Trim Tool



EZ-RJ45 Cat 6 Shielded with SNAGLESS Boot



CXB500/600 Snagless Boot

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