



# HDTV BNC Connectors

Partners in Broadcast, Telecom & Satellite Solutions

KINGS True 75 Ohm Broadcast



## 75 Ohm HDTV BNC Connectors



BNC series RF connectors are the most popular and widely used miniature size connectors for coaxial cables. The 2065 Series True 75 Ohm BNC connectors from Kings Electronics are ideal for Broadcast applications - meeting the industry's stringent HDTV standards.

Kings 75 Ohm BNCs feature a full crimp design, and are field installable using Kings hand crimping tools, which were developed to perfectly fit the connector design. Kings 75 Ohm BNC connectors feature a bayonet coupling for quick connect and disconnect, and are designed to terminate to the most commonly used coaxial cables in the broadcast industry.



### The 2065 Series 75 Ohm BNC Connectors from Kings Electronics are the perfect Broadcast interconnect solution:

- Superior RF performance - meets or exceeds HDTV standards
- Designed to accommodate industry leading analog & digital cables, from manufacturers like Belden and GepCo
- Easy connect and disconnect with bayonet coupling
- Full crimp design with standard cable stripping dimensions & crimp tooling

KINGS BNC Part No.	For Cables			Cabling Trim Code	Hand Crimping Tool	
	Belden	WestPenn/CDT	GepCo		KTH-1000	KTH-5000
2065-2-9	1505A	819	VPM2000	3-661-1	Die No.	Die No.
	1506A	25819	VPM2000TS		KTH-2261	KTH-5003
	9259	815	VE61859M			
2065-10-9	1694A	6350	VSD2001	3-661-1	Die No.	Die No.
	1695A	256350 WP6355	VSD2001TS		KTH-2255	KTH-5003
2065-11-9	1855A	HD825	VDM230	3-661-1	Die No.	Die No.
	1865A	HD25825 WP8255	VDM250		KTH-2025	KTH-5003
2065-28-9	179DT			3-661-1	Die No.	Die No.
	1520A				KTH-2003	KTH-5001

\*Extensive list of Cables, plus Tooling on rear

## Specifications

### Electrical

Characteristic Impedance 75 Ohms  
 Voltage Rating 500 volts RMS  
 Return Loss Less than -36dB to 1GHz;  
 -25dB to 2GHz;  
 -23dB to 3GHz;  
 -20dB to 5GHz  
 Contact Resistance Center Contact .0014 Ohms  
 Outer Contact .002 Ohms  
 Insulation Resistance 5000 megohms

### Mechanical

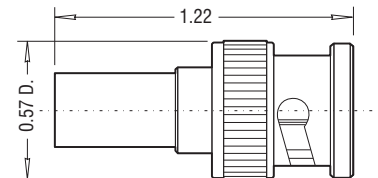
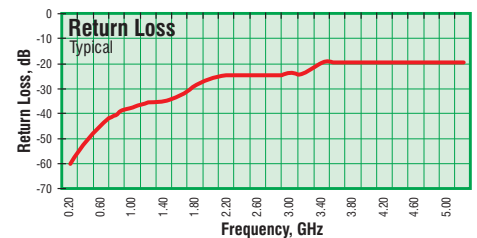
Durability 500 cycles min. center contact  
 Center Contact Retention 6 lbs. minimum  
 Coupling Mechanism 100 lbs. minimum  
 Force to Engage/Disengage Torque 2.5 in-lbs. maximum  
 Longitudinal force: 3.0 lbs. max.  
 Interface Dimension MIL-C-39012 except 75 Ohms

### Environmental

Thermal Shock -65°C to +165°C  
 Moisture Resistance 0 to 95%: MIL-STD-202 Method 106  
 Corrosion (Salt Spray) MIL-STD-202 Method 101  
 Test Condition B  
 Flammability UL 94-VO Rated  
 (Center Conductor Insulator)  
 Vibration MIL-STD-202 Method 204  
 Test Condition B  
 Solvent Resistance MIL-STD-202 Method 215

### Finishes

Body/Bayonet TR-5@ Kings tarnish resistant alloy electrodeposit finish  
 Center Conductor 50 millionths inch gold plating per MIL-G-45204 over copper plate



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**Authorized Distributor for KINGS Products**

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## Hand Crimping Tools



**KTH-1000**

- Field tested and approved, an industry favorite
- Ratchet-type tool does not release until crimp is complete
- Robust & reliable, frame is made of heavy-duty, lightweight aluminum
- Interchangeable dies available to fit a variety of connector & cable types



**KTH-5000**

- Economical & user-friendly alternative to other industrial crimping tools
- Lightweight, ergonomic tool allows for one-handed operation
- Ultra smooth ratchet design with rubber grip handles
- Available dies developed specifically for precise crimping of Kings connectors

## Manual Stripping Tools



**KTS-8-1 & KTS-8-2**

- Hand-held tool is lightweight & compact, ideal for field use
- Blade cassettes & memory blocks interchange quickly & easily
- Cam adjustment ensures precise hold on cable without distorting the jacket
- **KTS-8-1** is designed specifically for the Belden 197DT cable
- **KTS-8-2** is adjustable for use in most two & three piece BNC applications

All tools are backed by a 1-Year Manufacturer's Warranty.  
\*See warranty for terms, conditions and limitations.



**2065-2-9**



**2065-28-9**



**2065-10-9**



**2065-11-9**

### Cables for 2065-2-9

Manufacturer Part Number
BELDEN 1426A
BELDEN 1505A
BELDEN 1506A
BELDEN 543945
BELDEN 549945
BELDEN 551945
BELDEN 643948
BELDEN 6439C8
BELDEN 6439Q8
BELDEN 649948
BELDEN 7794A
BELDEN 7795A
BELDEN 7796A
BELDEN 7798A
BELDEN 8212
BELDEN 8241F
BELDEN 89259
BELDEN 9100
BELDEN 9110
BELDEN 9165
BELDEN 9171
BELDEN 9240
BELDEN 9259

### Cables for 2065-28-9

Manufacturer Part Number
BELDEN 179DT
BELDEN 7700A
BELDEN 9221

### Mil-C17 Cables for 2065-28-9

Manufacturer	Part Number
Military Approved	RG-179 /U
Military Approved	RG-187 /U

### Cables for 2065-2-9

Manufacturer	Part Number
BELDEN	9265
BELDEN	9274
BELDEN	9275
BELDEN	9659
COMMSCOPE	2065
COMMSCOPE	5565
GEPSCO	VE61859M
GEPSCO	VPM2000
GEPSCO	VPM2000TS
MOHAWK	25819
MOHAWK	815
MOHAWK	819

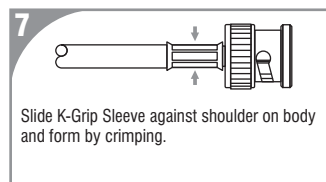
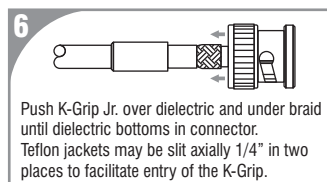
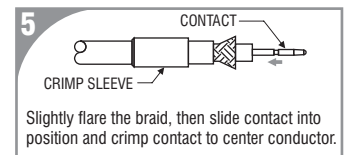
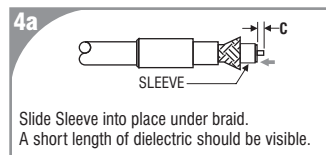
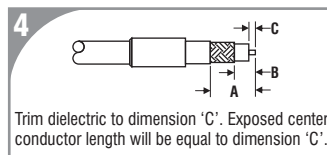
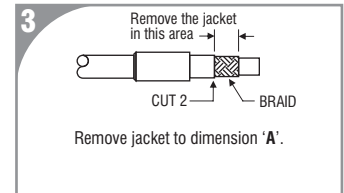
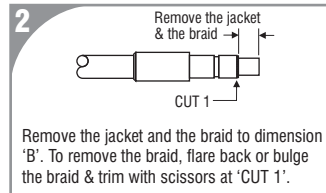
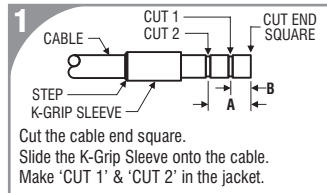
### Cables for 2065-10-9

Manufacturer Part Number
BELDEN 1694A
BELDEN 1695A
BELDEN 533945
BELDEN 5339B5
BELDEN 5399B5
BELDEN 633938
BELDEN 633948
BELDEN 6339Q8
BELDEN 7710A
BELDEN 7711A
BELDEN 7712A
BELDEN 7713A
BELDEN 82248
BELDEN 89120
BELDEN 89248
BELDEN 9114
BELDEN 9248
COMMSCOPE 2279V
COMMSCOPE 5765
GEPSCO VSD2001
GEPSCO VSD2001TS
MOHAWK 256350
MOHAWK 6350
MOHAWK WP6355

### Cables for 2065-11-9

Manufacturer Part Number
BELDEN 1164B
BELDEN 1167B
BELDEN 1406B
BELDEN 1407B
BELDEN 1417B
BELDEN 1418B
BELDEN 1865A
BELDEN 573945
BELDEN 673948
BELDEN 679948
BELDEN 7788A
BELDEN 7789A
BELDEN 7790A
BELDEN 7791A
BELDEN 7792A
BELDEN 8218
COMMSCOPE 7538
GEPSCO VDM230
GEPSCO VDM250
MOHAWK HD25825
MOHAWK HD825
MOHAWK WP258255
MOHAWK WP8255

## Cabling Procedure



Trim Code	A	B	C
3-661-1	.624	.312	.155
3-661-2	.624	.312	.249
3-661-3	.687	.375	.187
3-661-4	.668	.356	.200
3-661-5	.687	.375	.219

Note: Step 4a, applies only to -4 cabling instructions only.  
All dimensions in inches

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