

HD-BNC

High Density BNC Solutions

Amphenol® RF

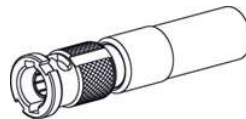
Global RF Solutions

Amphenol RF's HD-BNC™

DELIVERING HIGHER DENSITY CONNECTIVITY FOR A HIGHER DEFINITION WORLD

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Amphenol RF, the inventor of the BNC, introduces the High Density BNC family of connectors. HD-BNC™ delivers true 75 ohm performance in a footprint 51% smaller than traditional BNC connectors, allowing four times the density, and 40% smaller than the DIN 1.0/2.3. Engineered to enhance electrical and mechanical performance, the HD-BNC™ connector features the trusted, push and turn interface of a traditional BNC, providing tactile feedback and a positive lock for quick and guaranteed mating. Using the same cable prep and termination specifications of legacy broadcast connectors makes adopting HD-BNC™ seamless.



Features and Benefits

HIGH DENSITY SOLUTION

Allows four times as many interconnects as the **BNC**.

51% Smaller than **BNC**

39% Smaller than **Mini-BNC**

40% Smaller than DIN **1.0/2.3**

BAYONET COUPLING

Provides a positive lock and allows for quick and easy connect using patented mating/demating technology.

TRUE 75 OHM IMPEDANCE

Higher performance, unmatched reliability over longer distances from end to end.

ADAPTABILITY

Fits traditional Broadcast Cables, including:

Belden
DRAKA
Times Fiber
Image 360

COMPLETE PRODUCT LINE:

Plugs, Jacks, Adapters, and PCB Mounts

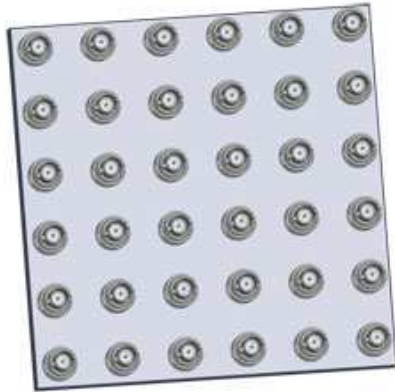
Applications

Broadcast, Network Routing and Switching, Digital Video – HDTV, Military/Aerospace, OEM, Computers/LANs, DS3/DS4, Satellite Head-ends, Custom Cable Assemblies, Telco Broadband, CATV

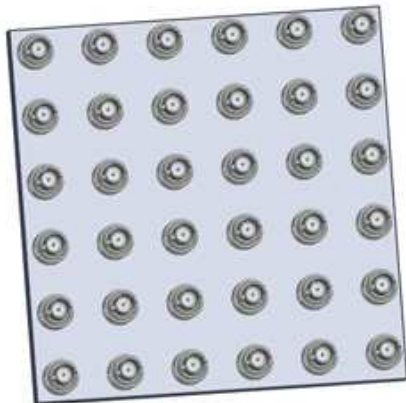
HD-BNC™ Spacing

Highly compact, dense solution to meet growing demands of the broadcast industry. Allow for four times as many interconnects as the typical BNC connector.

High Density BNC



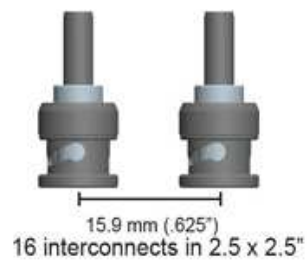
Standard Cable



Standard Cable



BNC



HD-BNC™ Specifications

ELECTRICAL

| | |
|---------------------------------|-------------------------------|
| Impedance | 75 Ω |
| Frequency Range | 0-6 GHz |
| Voltage Rating | 170 VRMS |
| Dielectric Withstanding Voltage | 500 volts |
| Return Loss | 30 dB @ 3 GHz |
| Contact Resistance | Center contact: 5 m Ω |
| | Outer contact: 2.5 m Ω |
| Insulation Resistance | 10,000 M Ω minimum |
| Data Rate | 3 Gbps or higher |

MECHANICAL

| | |
|----------------------------------|--|
| Mating | Bayonet Positive Locking, Visual Indicator |
| Braid/Jacket Cable Affixment | Hex crimp |
| Center Conductor Cable Affixment | Solder / Crimp |
| Tool | Conventional crimp / Die sets |
| Contact Captivation | All types as noted |
| Connector Durability | 500 mating cycles minimum |

MATERIAL

| | |
|---------------------|--|
| Male Contact | Brass, Amorphous (gold) Plating |
| Female Contact | Beryllium copper, Amorphous (gold) Plating |
| Outer Contacts | Beryllium copper, Nickel Plating |
| Bodies and Hardware | Brass, Nickel Plating |

US Patent Number 7,553,177



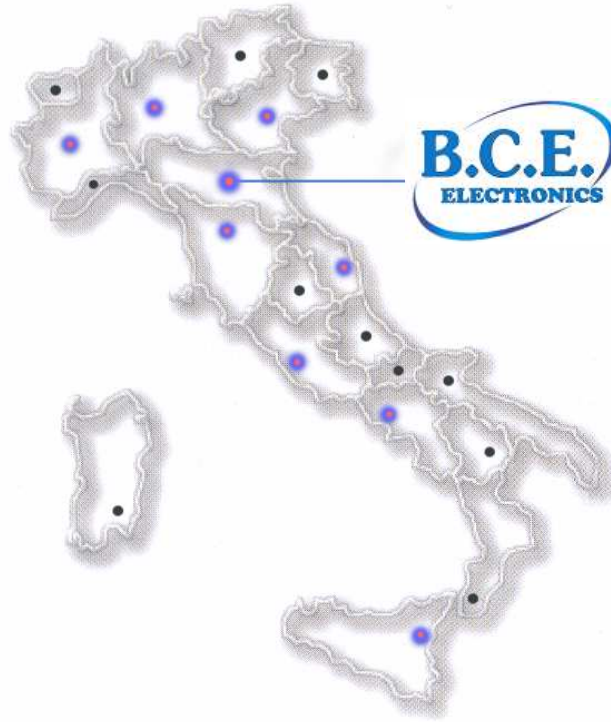
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B.C.E. Organization Chart Sales :

**OUR PARTNERS ARE
PRESENT IN :**

- *Piemonte*
- *Lombardia*
- *Triveneto*
- *Toscana & Liguria*
- *Marche - Umbria*
- *Lazio & Centro Sud.*



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