

HIGH-DENSITY BNC CONNECTORS

High-density BNC connectors from TE Connectivity (TE) provide a compact design solution for large video transmission systems, broadcast systems, and video signal applications. High-density BNC connectors are smaller than traditional BNC connectors and are intended to be arranged in tighter configurations than traditional BNC connectors, allowing for up to four times as many interconnects in the same footprint.

Using a customized insertion/extraction tool (2446195-1), cable assemblies can be connected and disconnected to receptacles mounted on the panel utilizing a bayonet-style mounting interface even when space is limited.

APPLICATIONS

- Large video transmission systems
  - Surveillance cameras / smart city surveillance system
- Broadcast equipment
  - SDI input & output video cards
  - Studio and broadcast cameras
- Digital Video – UHD TV 4K&8K
- Instrumentation
  - PXI (PCI extensions for Instrumentation)
- Industrial equipment
  - 3D Automated Optical Inspection (3D AOI)
  - Machine vision / industrial cameras
  - Frame grabbers
- Military systems
  - Unmanned Aerial Vehicle (UAV)

PRODUCT FACTS

- Up to 75-ohm performance
- Designed to improve panel density - up to 4x the panel density of standard BNC connectors
- Fit traditional broadcast cables
- 20% lighter than standard BNC connectors
- 51% smaller than standard BNC connectors and 39% smaller than mini-BNC connectors.
- Quarter turn bayonet-style coupling design includes locking feature
- Quicker, easier connector installation and removal in limited space
- Optimized for 12G-SDI broadcast video solutions
- Designed for CoaXPress 2.0 and SMPTE ST 2082 standards
- DC-12 GHz connector frequency range
- IP67 waterproof panel connector available

LEARN MORE

- Landing Page

HIGH-DENSITY BNC CONNECTORS

PART NUMBERS

Part Number	Description
2446052-1	High Density BNC Str Crimp Plug (for Belden 1855A, 4855R cable), 75 Ohm
2446154-1	High Density BNC R/A PCB Jack, Bulkhead, Thru Hole, 75 Ohm
2446053-1	High Density BNC Str Crimp Plug (for RG-179/U cable)
2446153-1	High Density BNC Str PCB Jack, Bulkhead, Thru Hole, 75 Ohm
2446155-1	High Density BNC R/A PCB Jack, Bulkhead, Thru Hole, 50 Ohm
2446156-1	High Density BNC Str PCB Jack, Bulkhead, Edge Mount, 75 Ohm
2446051-1	High Density BNC Str Crimp Plug (for Belden 735A cable), 75 Ohm
2446194-1	High Density BNC Str Crimp Jack (for Belden 1855A, 4855R cable) Bulkhead, IP67, 75 Ohm
2446193-1	High Density BNC Str Crimp Jack (for Belden 1855A, 4855R cable) Bulkhead, 75 Ohm
2446195-1	Installation/Removal Hand Tool

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