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# BNC Male Connectors



# Pick the right BNC for you



The white external dielectric indicates 50 ohm and it's the wrong solution

The built-in dielectric indicates 75 ohm and it's the right solution according to law



## Every detail is important

The current standard provides for an impedance of 75 ohms for all components of video surveillance systems; today unfortunately most of the connectors used (usually oriental imported and of low cost and quality) are designed for an impedance of 50 ohms (old standard of professional video systems).

This difference creates a disturbance in the passage of the signal through the same connector, with a sure degradation of the signal itself.

The visible difference between a 50 ohm and a 75 ohm BNC lies in the white dielectric that can be seen inside the head of the BNC: the 50 ohm connectors have the dielectric that comes flush with the front opening, while the connectors at 75 ohms have the dielectric recessed (see the picture aside)

All our BNC models are designed with an impedance of 75 ohms (dielectric recessed) and made with the utmost attention to every detail.

It is important to choose a good quality connector so as not to make the investment made on the other more expensive components of the system (cameras, DVRs and cables, ...) unnecessary and useless.

## The right BNC for each resolution

It is important to always pick the right BNC for every installation type: using a high quality BNC with low level cables and cameras is useless; as installing cheap connectors with professional devices is counter-productive. The diagram aside will help you picking the right one!



# BNC male



**Product code:** KBM  
**Connector:** BNC male (61169-8)  
**Material:** brass  
**Finish:** nickel  
**Type:** straight  
**Unit weight:** 11,9 g  
**Package:** 100 pcs  
**Certifications:** CE – RoHS – SCTE

## DESCRIPTION

BNC type connector; easy to install with high performances.

It comes with 1 black CaP included for cables from 2 up to 7mm diameter.

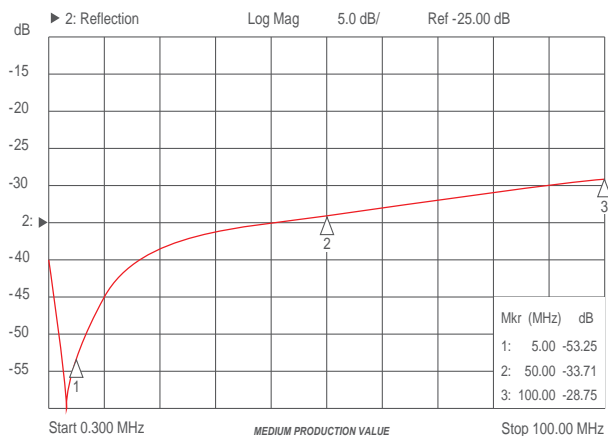
**Pass band:** 0 – 2400 MHz, with D.C. passage

**Insertion loss:** 0,08 dB @ 1000 MHz

**Impedance:** 75 ohm

**Screening:** Class A+.

**Compliance:** EN 50083-4 and CEI 100-7 laws.



## KBM The standard quality BNC

The best choice for all installations of CCTV systems using standard quality analog cameras and for all devices operating from 50 MHz to 100 MHz.

As can be seen from the graph on the side, the reference values of the return loss are always around or above 30 dB.

The value is in dB, or in logarithmic scale: a return loss of 10 dB indicates that 1/10 of the signal is lost by reflection (low quality); 20 dB indicates that 1/100 of the signal is lost (good quality); with 30 dB the lost signal is equal to 1/1000 (excellent quality).

# BNC male HD



**Product code:** KBM-HD  
**Connector:** BNC male (61169-8)  
**Material:** brass  
**Finish:** nickel and black nickel  
**Type:** straight  
**Unit weight:** 9,4 g  
**Package:** 100 pcs  
**Certifications:** CE – RoHS – SCTE

## DESCRIPTION

BNC male connector High Quality; easy to install with high performances.

Suitable for new high definition and low price CCTV systems (HD-CVI, HD-TVI, AHD, ...).

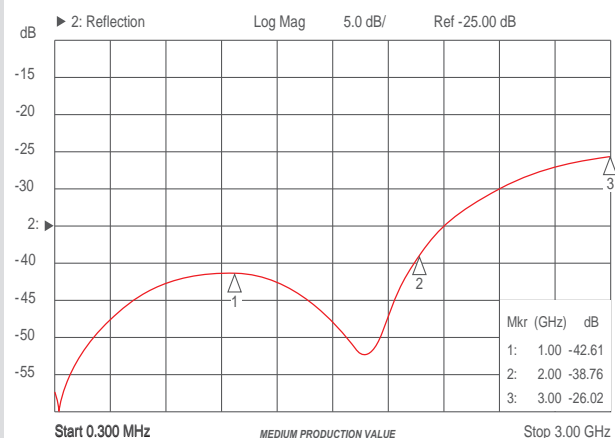
It comes with 1 black CaP included for cables from 2 up to 7mm diameter.

**Pass band:** 0 – 3000 MHz, with D.C. passage

**Insertion loss:** < 0,022 dB @ 0÷3000 MHz  
**Return loss:** > 23,02 dB @ 0÷3000 MHz  
**Impedance:** 75 ohm

**Screening:** Class A+.

**Compliance:** EN 50083-4 and CEI 100-7 laws.



## KBM-HD - the BNC for the new protocols

BNC-HD is the ideal solution for all new technology analog cameras operating on the HD-CVI, HD-TVI and AHD protocols. This connector supports high definition performance with resolution up to 1080p (1920x1080) required by these new protocols.

These new standards, designed by the largest camera manufacturers in the world, compress the data at the source to transmit it to the DVR with a quality comparable to the HD-SDI world and with a performance higher than the IP. Furthermore, with this system it is also possible to transmit the audio input and output with the coaxial cable, thus simplifying the wiring and the entire system.

# BNC male HQ



**Product code:** KBM-HQ  
**Connector:** BNC male (61169-8)  
**Material:** brass  
**Finish:** gold and black nickel  
**Type:** straight  
**Unit weight:** 9,5 g  
**Package:** 100 pcs  
**Certifications:** CE – RoHS – SCTE

## DESCRIPTION

BNC male connector High Quality; easy to install with high performances.  
It comes with 1 black CaP included for cables from 2 up to 7mm diameter.

**Pass band:** 0 – 3000 MHz, with D.C. passage

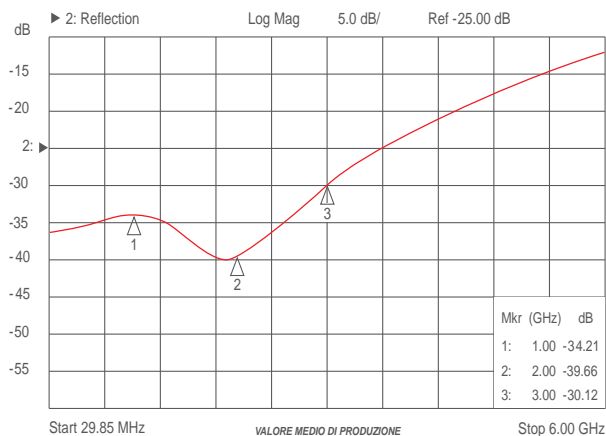
**Insertion loss:** < 0,02 dB @ 0÷3000 MHz

**Return loss:** > 30 dB @ 0÷3000 MHz

**Impedance:** 75 ohm

**Screening:** Class A+.

**Compliance:** EN 50083-4 and CEI 100-7 laws.



## KBM-HQ the high quality BNC

The optimal connector for all installations of professional or broadcasting systems with HD SDI cameras operating up to 6 GHz and supporting the new 4K and 8K standards.

4K (also called Ultra HD) is the high resolution standard (4096x2160 pixels) of television and digital cinema and computer graphics that will evolve into the 8K standard (8192x4320 pixels) in the near future.





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