



**TELECOM
& SECURITY**

be able with cable

Coaxial Connectors

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.

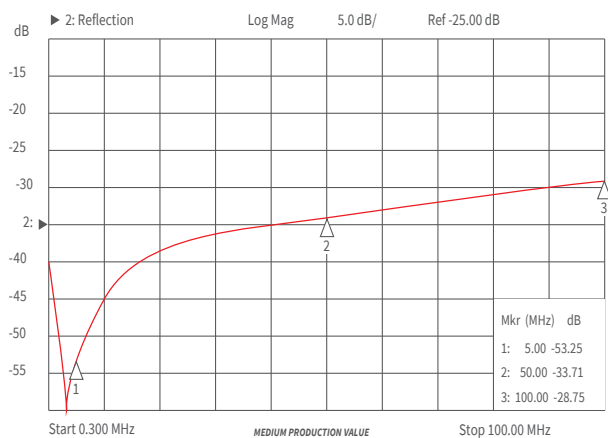
Pass band: 0 – 2400 MHz, with D.C. passage

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

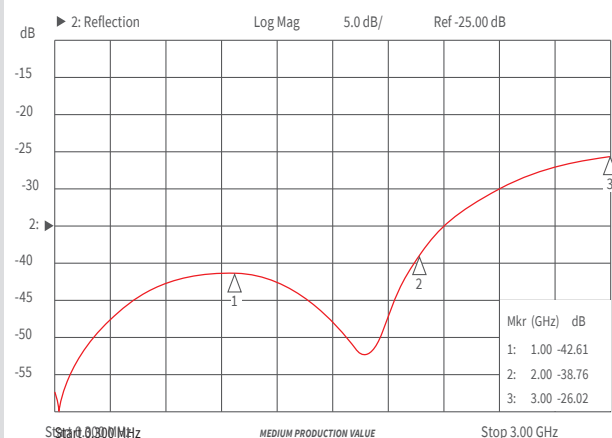
Insertion loss: < 0,022 dB @ 0÷3000 MHz

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.

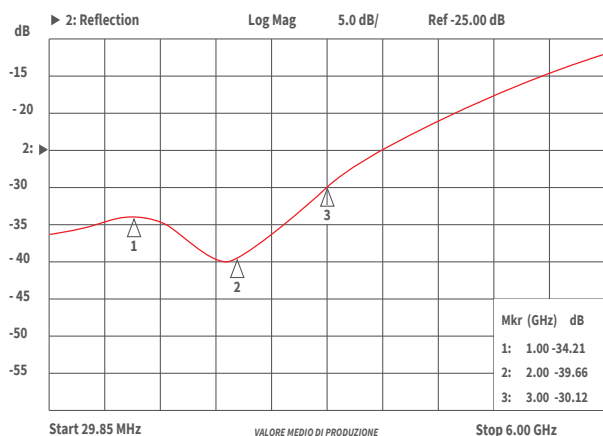
BNC male HQ



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.

BNC female



Product code: KBF
Connector: BNC female (61169-8)
Material: brass
Finish: nickel
Type: straight
Unit weight: 7,4 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

BNC female 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.

CaP & Push

Product code: CaP&Push
Connector: Quick F male without its own central pin
Material: brass
Finish: nickel
Type: straight
Unit weight: 6,5 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Quick F male type connector without its own central pin; easy to install with high performances.
 It comes with 1 black CaP included for cables from 6 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.



F male screw-on



Product code: KFM
Connector: F male screw-on (61169-24)
Material: brass
Finish: nickel
Type: straight
Unit weight: 7,5 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

F male screw-on 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.

F male screw-on 90°

Product code: KFM 90°
Connector: F male screw-on 90° (61169-24)
Material: brass
Finish: nickel
Type: 90°
Unit weight: 12,5 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

F male screw-on 90° 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.



Quick F male



Product code: KFMQ
Connector: Quick F male (61169-24)
Material: brass
Finish: nickel
Type: straight
Unit weight: 7,0 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Quick F male 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.

Quick F male 90°

Product code: KFMQ 90°
Connector: Quick F male 90° (61169-24) **Material:** brass
Finish: nickel
Type: 90°
Unit weight: 14,1 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Quick F male type connector 90°; 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.



IEC male



Product code: KIM
Connector: IEC male (61169-2)
Material: brass
Finish: nickel
Type: straight
Unit weight: 7,5 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

IEC male 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.

IEC male 90°

Product code: KIM 90°
Connector: IEC male (61169-2)
Material: brass
Finish: nickel
Type: 90°
Unit weight: 17,8 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

IEC male 90° 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.



IEC female



Product code: KIF
Connector: IEC female
 (61169-2) **Material:** brass
Finish: nickel
Type: straight
Unit weight: 7,5 g
Package: 100 pcs
Certifications: CE – RoHS –
 SCTE

DESCRIPTION

IEC female 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.

IEC female 90°

Product code: KIF 90°
Connector: IEC female (61169-2)
Material: brass
Finish: nickel
Type: 90°
Unit weight: 18,3 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

IEC female 90° 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.



RCA male



Product code: KCM
Connector: RCA male (JEITA RC-5231)
Material: brass
Finish: nickel
Type: straight
Unit weight: 7,3 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

RCA male 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.

RCA female

Product code: KCF
Connector: RCA female (JEITA RC-5231)
Material: brass
Finish: nickel
Type: straight
Unit weight: 9,0 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

RCA female 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.



Cable Jointer



Product code: GC
Connector: F female (61169-24)
Material: brass
Finish: nickel
Type: straight
Unit weight: 8,8 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

F female type connector; easy to install with high performances.

It comes with 2 black CaPs 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.

Cable Jointer HQ

Product code: GC
Connector: F female (61169-8)
Material: brass
Finish: nickel
Type: straight
Unit weight: 11,8 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

F female connector High Quality; easy to install with high performances.

It comes with 2 black CaPs 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.



KB-C



Product code: KB-C
Material: brass
Type: straight
Unit weight: 9,2 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

BNC male to RCA female adapter.

Impedance: 50 Ω / 75 Ω

Frequency range: 0 - 4 / 0 - 1 GHz

Maximum applicable voltage: AC 500V

Maximum applicable voltage for 1 min: AC 1500V

Contact resistance: 3 m Ω max

Isolation resistance: 5000 M Ω min. @ DC 500V

KC-B

Product code: KC-B
Material: brass
Type: straight
Unit weight: 5,8 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

RCA male to BNC female adapter.

Impedance: 50 Ω / 75 Ω

Frequency range: 0 - 4 / 0 - 1 GHz

Maximum applicable voltage: AC 500V

Maximum applicable voltage for 1 min: AC 1500V

Contact resistance: 3 m Ω max

Isolation resistance: 5000 M Ω min. @ DC 500V



KDCM



Product code: KDCM
Body material: plastic
Connector material: brass
Type: straight
Unit weight: 7,2 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Male power connector with screw terminals ideal for quickly connecting a device to a power supply equipped with pins. This system allows assembly without any crimpers and/or welders.

Connector: 2.1 x 5.5mm male

Dimensions: 39x13x12 mm

Installation: quick screw fixing

KDCF

Product code: KDCF
Body material: plastic
Connector material: brass
Type: straight
Unit weight: 6,3 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Female power connector with screw terminals ideal for quickly connecting a device to a power supply equipped with pins. This system allows assembly without any crimpers and/or welders.

Connector: 2.1 x 5.5mm female

Dimensions: 39x13x12 mm

Installation: quick screw fixing



KT-BNC



Product code: KT-BNC
Material: brass
Type: T
Unit weight: 15,7 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

BNC male to double BNC female adapter.

Impedance: 50 Ω / 75 Ω

Frequency range: 0 - 4 / 0 - 1 GHz

Maximum applicable voltage: AC 500V

Maximum applicable voltage for 1 min: AC 1500V

Contact resistance: 3 m Ω max

Isolation resistance: 5000 M Ω min. @ DC 500V

FCT75

Product code: FCT75
Material: brass
Type: straight
Unit weight: 3,3 g
Package: 100 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

Termination resistor type F at 75ohm for taps.



Balun



Product code: BALUN
Body material: plastic
Connector material: brass
Type: straight
Unit weight: 12,7 g
Package: 2 pcs
Certifications: CE – RoHS – SCTE

DESCRIPTION

The Balun (acronym for balanced - unbalanced) is used for the adaptation between a balanced line (twisted pair or UTP cable, connection via 2 terminals, impedance 100 ohm) and an unbalanced line (coaxial cable, BNC male connector, impedance 75 ohm).

Features: 100 Mbps up to 400mt, non polarized connection, does not require power supply.

Dimensions: 70x24x20 mm

Pre-wired coax cable with 90° connectors

Product codes:

- | | |
|-----------------------|----------------------|
| - CI/IEC male | TV Cable mt. 1.00 TV |
| - CI/IEC female | Cable mt. 2.00 SAT |
| - CI/IEC F male quick | Cable mt. 1.00 SAT |
| - CI/IEC F male quick | Cable sat mt. 2.00 |

Weight: 7 g

Package: 1 pz.

Certifications: CE-RoHS

DESCRIPTION

Pre-wired coaxial cable with 90° connectors TV (IEC male and IEC female) or SAT (F male quick). Available in 1 mt. and 2 mt lenght.





be able with cable

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