

APPLICATIONS

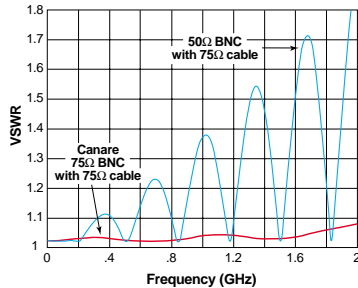
- SMPTE 259M & 292M COMPLIANT
- SERIAL DIGITAL VIDEO (SDI)
- HDTV UPGRADES (DTV)
- NTSC ANALOG
- TEST EQUIPMENT
- SATELLITE HEADENDS
- TELCOM

Features

- True 75Ω construction; Crimp Pin & Sleeve
- DC to 2 GHz; ≥26 dB Return Loss (≤1.1 VSWR)
- Mechanically mates with common 50Ω BNC
- Elongated Body for better finger grip
- Superior cable pull strength
- Gold Plated Contact Pin 'Snap Locks' into place
- Beryllium Copper Outer Contact

Canare offers a full line of high performance MIL-C-39012 true 75Ω BNC connectors with impedance matched performance characteristics and specifications that properly address the latest generations of high bandwidth digital video equipment.

Importantly, Canare 75Ω BNC connectors offer excellent mechanical pull strength and very low digital signal reflections; RL ≥26dB (VSWR ≤1.1) DC to 2GHz.



Influence by impedance matching and mismatching.

Note: Much of the 75Ω video coax cable in use today may still be terminated with 50Ω BNC connectors. Although this pairing is adequate for lower frequency bandwidths (such as standard NTSC broadcast transmissions), this mismatch will result in signal degradation and reduced picture quality at today's ultra high analog and digital video transmission rates.

Note:

We conveniently package our BNC crimp plugs in a special 100pc Egg-Carton style box. The Crimp Pins and Sleeves are supplied in 100pc Bulk Bags for quick and easy setup and assembly.

PTFE dielectric is designed with an exclusive *air gap* compensation circuit that maintains a constant 75Ω matched impedance, even if variances in contact pin crimping occur.

Characteristics of alloys

	COMPRESSION LIMIT VALUE kb (kg f/mm ²)
BERYLLIUM COPPER	150
PHOSPHOR BRONZE	100
SPRING BRASS	50

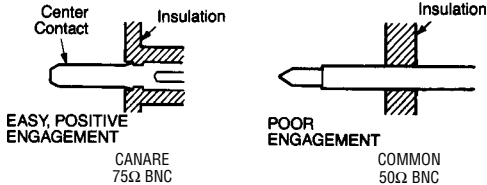
Beryllium Copper outer contact is extremely resilient to constant flexing.

Exclusive **Elongated Body** design allows better finger grip action. Special Nickel Plated Bell Brass remains brilliant even after many years of field service. Canare 75Ω BNC connectors will mechanically mate with all 50Ω type BNC connectors.

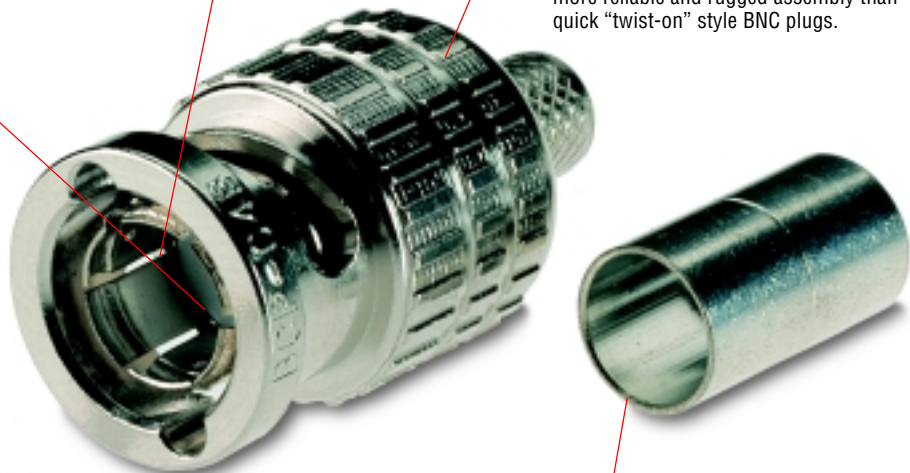
Canare Dual Crimp BNC connectors are a more reliable and rugged assembly than quick "twist-on" style BNC plugs.

Captive Contact Pin

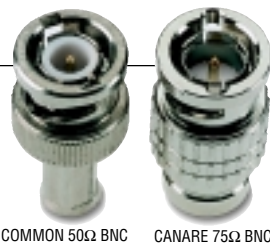
Canare BNC crimp pins snap and lock into place to prevent pin migration, the leading cause of most BNC connector failure.



Gold plated center crimp pin inhibits corrosion and offers low contact resistance with superior mating properties.



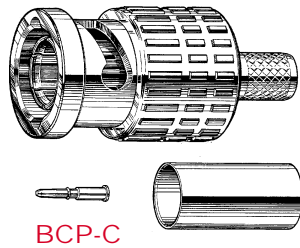
Our longer Sleeves offer a wider crimping surface area for improved cable pull strength.



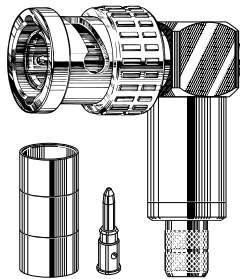
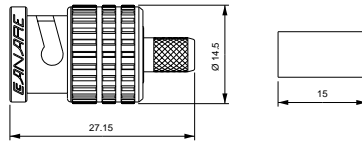
The connector on the left is a commonly used 50Ω BNC. Notice that the dielectric (white ring) is visible at the top of the outer contact. The Canare plug on the right is a true 75Ω BNC connector. Its dielectric material is recessed... Your visual assurance that there will be proper 75Ω impedance matching between the source equipment, interconnecting cables, patchbay and load equipment. The end result: no signal reflections (VSWR) for longer cable runs and enhanced system performance.

Features

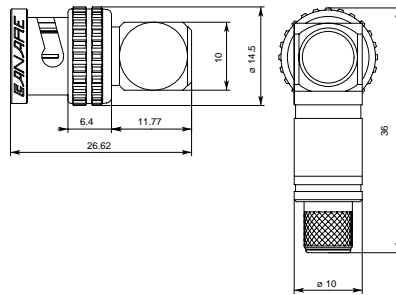
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- DC to 2 GHz; ≥26 dB Return Loss (≤1.1 VSWR)
- Mechanically mates with common 50Ω BNC
- Elongated Body for better finger grip
- Superior cable pull strength
- Gold Plated Contact Pin 'Snap Locks' into place
- Beryllium Copper Outer Contact
- Easy Assembly using Canare Strip & Crimp Tools



BCP-C



BCP-LC



MODEL	PINS	SLEEVES
BCP-C1	(SOLDER)	BN7022
BCP-C25F	BN1051	BN7029B
BCP-C3B	B11014D	BN7003A
BCP-C3F	B11015D	BN7003A
BCP-LC3F	B11015D	BN7003A
BCP-C32	B11016D	BN7026
BCP-C4B	B11015D	BN7015A
BCP-C4F	B11016D	BN7015A
BCP-C41	B11016D	BN7016
BCP-C5B	B11016D	BN7016
BCP-C51	B11016D	BN7002
BCP-C53A	B11020C	BN7046
BCP-C55A	B11020C	BN7045
BCP-C5FA	B11020C	B75004
BCP-LC5F	B11020C	B75004
BCP-C77A	B11016D	B75004
BCP-C7FA	BN1012A	BN7021A
BCP-C71A	BN1043	BN7021A

75Ω BNC CRIMP PLUG NOMINAL SPECIFICATIONS											
Type 3 piece Assembly	Imp	Bandwidth VSWR Return Loss DC to 2GHz	Body Material Plating	Center Contact Material Plating	Dielectric	Crimp Sleeve Material Plating	Cable Retention lbs. (kgs)	Insulation resistance at 500V DC	Voltage rating for 1 minute	Center contact resistance	Outer contact resistance
Body Crimp Pin Crimp Sleeve	75Ω	≤1.1 ≥26 dB	Brass Nickel	Brass Gold	PTFE	Copper Tin	> 55 > 24.9	> 1000MΩ	1500V AC(rms)	< 6mΩ	< 3mΩ

CANARE 75Ω BNC CRIMP PLUGS CABLE / CONNECTOR / TOOLING X-REFERENCE CHART

BCP-C1	BCP-C25F	BCP-C3B	BCP-C3F BCP-LC3F	BCP-C32	BCP-C4B	BCP-C4F	BCP-C41	BCP-C5B	BCP-C51	BCP-C53A	BCP-C55A	BCP-C5FA BCP-LC5F	BCP-C77A	BCP-C7FA	BCP-C71A
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CANARE CABLE

L-1.5C2VS V-1.5C	L-2.5CFB	A2V1 A2V2-L V-3C	L-3C2VS	V-3CFB A3V1-FB A3V2-FB	L-3CFB	LV-61S	V-4CFB	L-4CFB	V-5C	L-5CFB V-5CFB	LV-77S	L-7CFB
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BELDEN

83264 83267	1855A					1506A 1824A 1825A 1826A	8241 8279 (RC59B/U)	1505A 8241F 8212 9167 9259 9659		8281 88281 728A 8281B	1694A 9066 9116 89120 633948 9116P	1695A 87120 89120	9290 1189A	8281F	9011 9064 9292 87292 89292 1617A 7731A
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COMMSCOPE

	7538 753605					2037V 2041K 2065V		2000 5553 5565 5572 556510	S59HEC2	7501 7506	2227K/V 2229V 5729 5765 F690BVV	2275V 2276V 2277V 2279V	5731		5906 5940 2285K 5914 F115SVV
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COAX CABLE STRIPPERS	N/A	TS100E	TS100E TS-V3C	TS100E TS-3C	TS100E TS-V3C	TS100E TS-3C	TS100E TS-3C	TS100E TS-3C	TS100E TS-4C	TS100E TS-3C	TS100E TS-4C	TS100E	TS100E TS-4C	TS100E TS-5C	TS100E	TS100E TS-5C	TS100E TS-5C	TS100E	TS100E	
TOOL	TC-1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DIE SETS	TCD-1DB	●																		
	TCD-3C		●	●	●	●	●	●												
	TCD-35CA		●	●	●	●	●	●												
	TCD-4C								●	●	●									
	TCD-451CA																			
	TCD-5CF																			
	TCD-7CA																			

● Alternate Die Set.
Note: All Stripper Models are Pre-Set for Canare 75Ω BNC Crimp Plug Dimensions