

## Features & Benefits

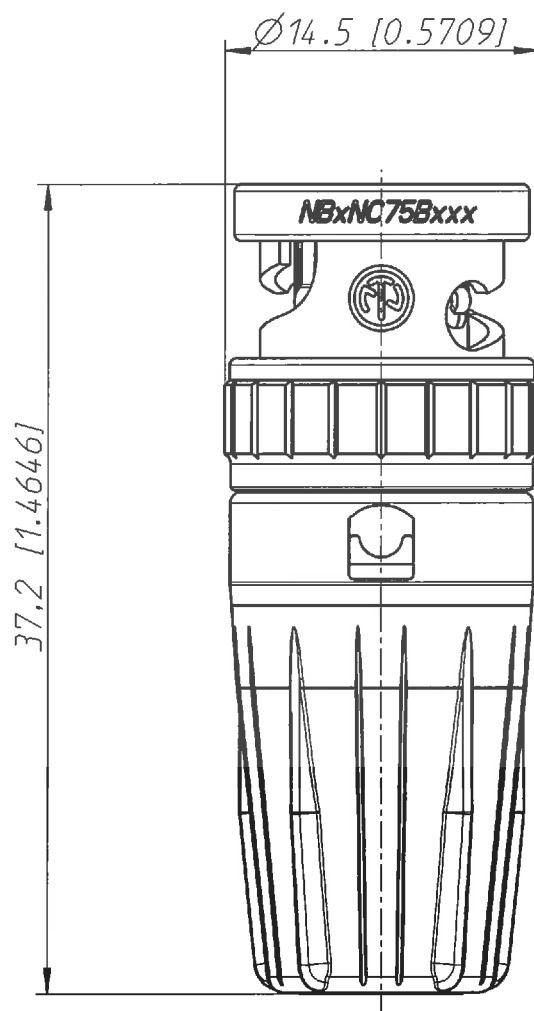
- “rearTWIST Principle” locking/unlocking using the easily accessible soft touch boot (Patent DE 100 48507)
- Ideal for recessed bulkheads where access to the “head” of the connector might be an issue. These connectors turn from the back and not the front.
- True 75  $\Omega$  design meets the stringent HDTV / DVD requirements
- Leading area: Avoids tilting due to side forces to protect contacts from deformation. Guarantees a lifetime of min. 1000 mating cycles!
- Snug-fit center pin insert provides tactile feedback
- Shield and jacket crimp technology prevents the problem of an exposed grounding braid on cable assemblies
- Excellent cable protection and retention
- Precise Swiss machined brass parts for outstanding durability
- Accessories include color coded boots in 10 standard colors, crimp tool and dies

## Technical Information

Product	
Title	NBNC75BRU11
Connection Type	BNC 75 $\Omega$
Gender	male
Electrical	
Contact resistance	$\leq 3 \text{ m}\Omega$ (inner)
Contact resistance	$\leq 2 \text{ m}\Omega$ (outer)
Dielectric strength	1,5 kVdc
Impedance	75 $\Omega$
Insulation resistance	$> 5 \text{ G}\Omega$
Rated voltage	$< 50 \text{ V}$
VSWR	$\leq 1.050 / > 32 \text{ dB}$ up to 1 GHz $\leq 1.065 / > 30 \text{ dB}$ up to 2 GHz $\leq 1.100 / > 26 \text{ dB}$ up to 3 GHz

Mechanical	
Cable O.D.	< 7.3 mm
Cable retention	> 30 N (Center)
Crimp size	7,36 Hex crimp (shield) acc. MIL22520/5-41(A)
Crimp size (pin)	1,6 Square crimp (pin) acc. IEC 60803 (die designation 2)
Insertion force	< 25 N
Lifetime	> 1000 mating cycles
Wiresize	
Locking device	Bayonett
Cable anchoring	Jacket crimping
Material	
Contacts	Brass (CuZn35Pb2), 0.2 µm AuCo (Center contact)
Insert	PTFE
Shell	Brass (CuZn39Pb3)
Shell plating	Optalloy®
Environmental	
Temperature range	-30 °C to +85 °C
Contact crimpability	Complies with IEC 60803 and IEC 60352-2

# NBNC75B

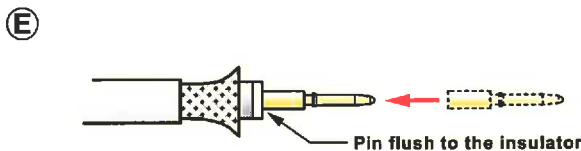
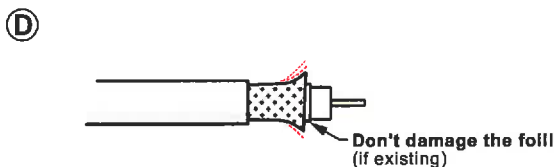
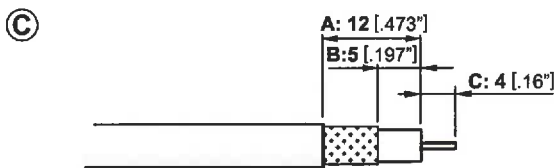
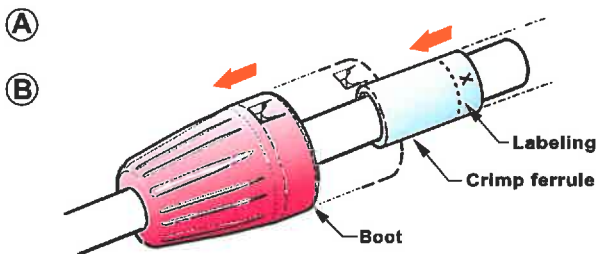


Allgemeintoleranzen ISO 2768-m	Werkstoff  -	Massstab:  3:1 (A4)		Datum 12.04.00	Name Ganahl
Zeichnung urheberrechtlich geschuetzt (DIN 34) (C)			Gezeichnet	-	-
	-		Freigegeben	-	-
			Geaendert	-	-
Benennung  NBNC 75B  Rear Twist BNC			Aend.-Nr. -		Aend.-Index -
			Ersatz fuer: 3102ST2502		Blatt 1 von 1 Bl.
NEUTRIK AG FL-9494 SCHAAN			Zeichn. Nr. ST-NBNC 75B		



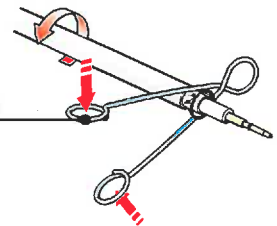
# ASSEMBLY INSTRUCTION

## rearTWIST BNC | 75Ω Cable Connector - Crimp version

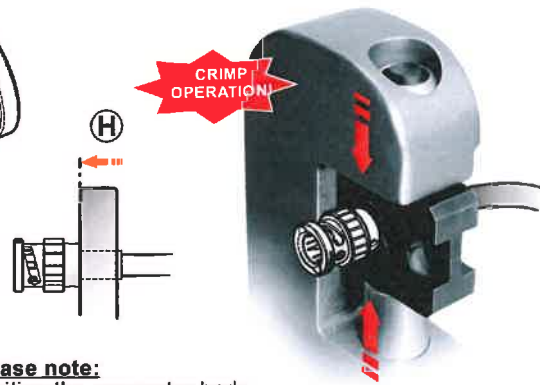
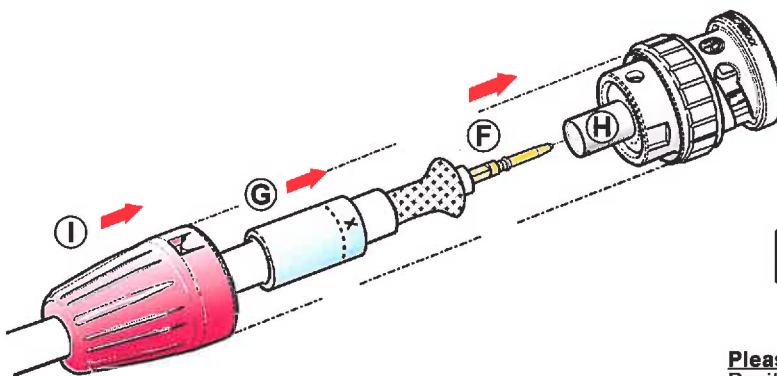


- (A) Slide the boot onto the cable
  - Position the labeling to the cabelend
- (B) Slide the crimp ferrule onto the cable
- (C) Prepare cable as shown
  - Use an adjustable coaxial cable stripper
- (D) Spread the braided shield

(It's easily with the NEUTRIK®  
"SHIELD-SPREADING-TOOL" !)



- (E) Crimp the pin
  - position the pin on the center conductor
  - Crimp the pin with the tool
  - (For best crimping-results it is recommended to use the original Neutrik crimp tool
    - HXBNC with the corresponding insert or hexcrimp acc. to IEC 803-W (SW 1.7)
    - or squarecrimp acc. to IEC 803-2 (SW 1.6)
  - Pin can also be soldered (Optional)!
  - Straighten the pin if misaligned.
- (F) Insert the cable into the connector body
- (G) Slide the crimp ferrule over the shield to the front and push the cable to it's end position until you hear a snap noise.



**Please note:**  
Position the connector body  
Flush with the die face.

Assembled Connector



- (H) Crimp the ferrule with the tool
  - (For best crimping-results it is recommended to use the original Neutrik tool - HXBNC with the corresponding insert)
- (I) Snap the boot onto the connector body

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