



## NBNC75BIJ9

The rearTWIST HD BNC cable connector offers a true 75  $\Omega$  design and is perfectly suitable for HD applications.

The patented rearTWIST boot guarantees easy access even in high density applications and offers color coding.

Suitable cables:

Belden 1506A, Belden 4505P, CommScope 2065V,  
Cordial CVM 08-32 HD-FLEX

Crimp size:

Pin: 1.6 mm (square)

Shield: 5.41 mm (hex)

## Features & Benefits

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|---|--|
| <ul style="list-style-type: none"><li>• “rearTWIST Principle” locking/unlocking using the easily accessible soft touch boot (Patent DE 100 48507)</li></ul> | <ul style="list-style-type: none"><li>• 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.</li></ul> |
| <ul style="list-style-type: none"><li>• True 75 <math>\Omega</math> design meets the stringent HDTV / DVD requirements</li></ul>                            | <ul style="list-style-type: none"><li>• Leading area: Avoids tilting due to side forces to protect contacts from deformation. Guarantees a lifetime of min. 1000 mating cycles!</li></ul>            |
| <ul style="list-style-type: none"><li>• Snug-fit center pin insert provides tactile feedback</li></ul>  | <ul style="list-style-type: none"><li>• Shield and jacket crimp technology prevents the problem of an exposed grounding braid on cable assemblies</li></ul>  |
| <ul style="list-style-type: none"><li>• Excellent cable protection and retention</li></ul>  | <ul style="list-style-type: none"><li>• Precise Swiss machined brass parts for outstanding durability</li></ul>  |
| <ul style="list-style-type: none"><li>• Accessories include color coded boots in 10 standard colors, crimp tool and dies</li></ul>                          |  |

Technical Information

Product	
Title	NBNC75BIJ9
Connection Type	BNC 75 Ω
Gender	male

Electrical	
Contact resistance	≤ 3 mΩ (inner)
Contact resistance	≤ 2 mΩ (outer)
Dielectric strength	1,5 kVdc
Impedance	75 Ω
Insulation resistance	> 5 GΩ
Rated voltage	<50 V
VSWR	≤1.050/>32 dB up to 1 GHz ≤1.065/>30 dB up to 2 GHz ≤1.100/>26 dB up to 3 Ghz

**Mechanical**

Cable O.D.	5.3 mm
Cable retention	> 30 N (Center)
Crimp size	5,41 Hex crimp (shield) acc. IEC 60803 (die designation D)
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