NBTC75BFI4

The rearTWIST HD Tiny BNC cable connector is optimized for small cable diameters. The additional leading ferrule eases the critical assembly of multicore or tiny cables.

Like all Neutrik BNCs it offers a true 75 Ω 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 1520A, Belden 1521A, Belden 1522A, Belden 179DT, Draka 0.31/1.45 AF, Draka 753-1304(2), Draka 755-1302, Suhner G02233, ZNK CM14B

Crimp size:
Pin: 1.6 mm (square)
Shield: 4.06 mm (hex)

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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.
- Optimized assembly for mutlicore or tiny cables
- True 75 Ω 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

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Technical Information

Product	
Title	NBTC75BFI4
Connection Type	BNC 75 Ω
Gender	male

Electrical	
Contact resistance	≤ 3 mΩ (inner)
Contact resistance	≤ 2 mΩ (outer)
Dielectric strength	0,75 kVdc
Impedance	75 Ω
Insulation resistance	> 5 GΩ
Rated voltage	<50 V
VSWR	≤1.10/>26 dB up to 1 GHz ≤1.14/>24 dB up to 2 GHz ≤1.22/>20 dB up to 3 Ghz

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Mechanical

Cable O.D.	2.9 mm
Cable retention	> 30 N (Center)
Crimp size	4,06 Hex crimp (shield) acc. MIL22520/5-39(B)
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

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