



## NBTB75CFI4

Neutrik's BNC tiny cable jack is based on the rearTWIST principle and is suitable for thin coaxial cables. The cable jacks endure the reliable bayonet locking which can be turned from the back so that there is less engaging torque. This guarantees easy access even in high density applications. The tiny cable jack is the perfect solution for extensions and Y-cables.

Like all Neutrik BNCs it offers a true 75  $\Omega$  design and is perfectly suitable for HD applications.

### 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)

## Features & Benefits

- |                                                                                                                                                                                                      |                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <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 HD requirements</li></ul>           |
| <ul style="list-style-type: none"><li>• Perfect solution for Y-cables and extensions</li></ul>                                                                                                       | <ul style="list-style-type: none"><li>• Optimized assembly for multicore or tiny cables</li></ul>                                  |
| <ul style="list-style-type: none"><li>• Snug-fit center pin assembly provides tactile feedback</li></ul>                                                                                             | <ul style="list-style-type: none"><li>• Excellent cable protection and retention</li></ul>                                         |
| <ul style="list-style-type: none"><li>• Precise 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           | NBTB75CFI4 |
| Connection Type | BNC 75 Ω   |
| Gender          | female     |

| 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                  | ≤1.050/>32 dB up to 1 GHz<br>≤1.065/>30 dB up to 2 GHz<br>≤1.100/>26 dB up to 3 Ghz |

**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 |