



## NBTB75IF14

BNC cable jack for panel mount, isolated

Neutrik's BNC cable jacks for panel mount offer a true 75  $\Omega$  design for serial and digital (HD) signals. The machined brass connector body provides an extremely rugged and non-abrasive connection over long term use.

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

- Gold plated center contact
- True 75  $\Omega$  design meets the stringent HD requirements
- Isolated panel mount (solves potential grounding problems and prevents common-mode influence with other connections conducted over the same panel ground potential)

## Technical Information

Product	
<b>Title</b>	NBTB75IF14
<b>Connection Type</b>	BNC 75 $\Omega$
<b>Gender</b>	female

Electrical	
<b>Contact resistance</b>	$\leq 3 \text{ m}\Omega$ (inner)
<b>Contact resistance</b>	$\leq 2 \text{ m}\Omega$ (outer)
<b>Dielectric strength</b>	0,75 kVdc
<b>Impedance</b>	75 $\Omega$
<b>Insulation resistance</b>	$> 5 \text{ G}\Omega$
<b>Rated voltage</b>	$< 50 \text{ V}$
<b>VSWR</b>	$\leq 1.050 / > 32 \text{ dB}$ 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.	4.0 - 7.7 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