

NBNC75BLP7X

The rearTWIST UHD BNC connectors are specifically designed for high resolution video signal transmissions. Due to the unique insulator and contact pin design, the connectors feature low return loss values for 4K and 8K signals.



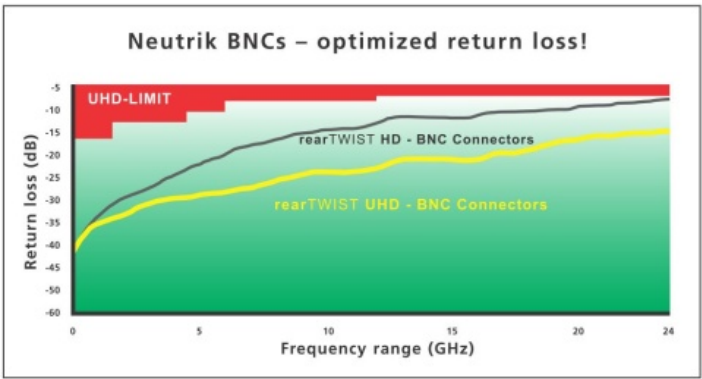
Features & Benefits

- Optimized contact pin and insulator design for UHD-data transmissions
- Proven rearTWIST technology
- Swiss antralooy plating
- Fully compatible with conventional BNC chassis connectors
- Improved return loss values at high frequencies



Optimized Return Loss

Due to optimized insulator design and reduced crimp diameter from center pin the Neutrik rearTWIST UHD BNC connector achieves increased headroom compared to conventional BNC connectors and offers additional return loss reserve for potential impedance deviations resulting from cable bending, incorrect connector assembly or faulty connection interfaces without signal interruption.



For more details see Neutrik UHD BNC White Paper.

Crimp Dimensions

In order to achieve optimum return loss values at high frequencies the crimp dimension of the contact pin has been reduced.

Pin:	1.07 mm
Shield:	6.47 mm
Crimp die:	DIE-R-BNCX-PDG

Approved Cables

To guarantee high performance for each cable-connector combination at high frequencies Neutrik measured common COAX cables which are specifically

designed for ultra high definition transmission (UHD). Find all approved cables listed below.

Suitable cables:
Belden 8241, CAE KX6A, Canare LV-61S, Cordial CVI (CVM) 06-37, CommScope 5563, Draka 0.6/3.7, Draka 0.6L/3.7, Proel HPC 805, RG59B/U, Sommer 600-0051 (M,L,S), Sommer 600-0054 (M,L,S), Klotz V06/37, Nexans HF 75 0,6/3,7 2YCY, Percon VK95

Technical Information		hide
Product		
Title	NBNC75BLP7X	
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	≤1.06 / >30 dB up to 6 GHz ≤1.13 / >24 dB up to 12 GHz ≤1.22 / >20 dB up to 18 Ghz	
Mechanical		
Cable O.D.	6.3 mm	
Cable retention	> 30 N (center)	
Crimp size	6.47 Hex crimp (shield)	
Crimp size (pin)	1.07 crimp	
Insertion force	< 25 N	
Lifetime	> 1000 mating cycles	
Locking device	Bayonett	
Cable anchoring	Jacket crimping	
Material		
Contacts	Brass (CuZn35Pb2), 0.2 μm AuCo (center contact)	
Shell	Brass (CuZn39Pb3)	
Shell plating	Antraloy	
Insert	PP	
Environmental		
Temperature range		
-30 °C to +85 °C		
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Contact	Support	

Contact crimpability

Complies with IEC 60803 and IEC 60352-2

Accessories

BST-BNC-*	CAS-BNC-T	CS-BNC-RT	DIE-R-BNCX-PDG
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HX-R-BNC