Product Data Sheet

Neutrik NBNC75BLP9X Rear Twist on BNC Plug

Description

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.

Optimised Return Loss

Due to optimised 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.

Product	SKU
NEUTRIK NBNC75BLP9X REAR TWIST ON BNC PLUG	BA-65-5129

Key Benefits

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

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Technical Specification

Neutrik NBNC75BLP9X Rear Twist on BNC Plug Specification	
Connection type: BNC 75 Ω	**Mechanical**
Gender: male	**Cable O.D.:** 6.3 mm
Electrical	**Cable retention:** > 30 N (Center)
Contact resistance: ≤ 3 mΩ (inner)	**Crimp size:** 6.47 Hex crimp (shield) 1.07 crimp (pin)
Contact resistance: ≤ 2 mΩ (outer)	**Insertion force:** < 25 N
Dielectric strength: 1.5 kVdc	**Lifetime:** > 1000 mating cycles
Impedance: 75 Ω	**Locking device:** Bayonett
Insulation resistance: > 5 GΩ	**Cable anchoring:** Jacket crimping
Rated voltage: <50 V	**Material**
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	**Contacts:** Brass: (CuZn35Pb2), 0.2 µm AuCo (center contact)
Environmental	**Insert:** PP
Temperature range: -30 °C to +85 °C	**Shell:** Brass (CuZn39Pb3)
Contact crimpability: Complies with IEC 60803 and IEC 60352-2	**Shell plating:** Antraloy