



Product Data Sheet

Neutrik NBNC75BFG7X BNC Plug Image 360

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 NBNC75BFG7X BNC PLUG IMAGE 360	BA-65-5110

Key Benefits

- Optimised 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



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Technical Specification

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Connection type: BNC 75 Ω	Mechanical
Gender: male	Cable O.D.: 4.7 mm
Electrical	Cable retention: > 30 N (Center)
Contact resistance: \leq 3 m Ω (inner)	Crimp size: 5.0 Hex crimp (shield) 1.07 crimp (pin)
Contact resistance: \leq 2 m Ω (outer)	Insertion force: < 25 N
Dielectric strength: 1.5 kVdc	Lifetime: > 1000 mating cycles
Impedance: 75 Ω	Locking device: Bayonett
Insulation resistance: > 5 G Ω	Cable anchoring: Jacket crimping
Rated voltage: < 50 V	Material
VSWR: \leq 1.06 / >30 dB up to 6 GHz \leq 1.13 / >24 dB up to 12 GHz \leq 1.22 / >20 dB up to 18 GHz	Contacts: Brass: (CuZn35Pb2), 0.2 μ m AuCo (center contact)
Environmental	Insert: PP
Temperature range: -30 $^{\circ}$ C to +85 $^{\circ}$ C	Shell: Brass (CuZn39Pb3)
Contact crimpability: Complies with IEC 60803 and IEC 60352-2	Shell plating: Antraloy