



# Product Data Sheet

## Neutrik NC3FXX-B

### Description



3 pole female cable connector with black metal housing and gold contacts.

The next generation of the worldwide accepted standard of XLR cable connectors. The successor of the X series offers several new features which make it more reliable, easier to assemble and improves contact integrity as well as cable strain relief.

Product	SKU
NEUTRIK NC3FXX-B	DA-73-5013

### Key Benefits

- Unique cage design of female contact for low contact resistance and high integrity
- Female contact incorporates a solder barrier to prevent solder running into the contact mating area
- Female connector with improved solid metal latch which is larger and easier to handle
- Additional ground spring contacts for better shell ground continuity
- Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster
- Boot with polyurethane gland gives high protection to cable bending stresses
- Coloured rings and boots available for coding or identification
- Sleek and ergonomic design - valuable and handy
- Rugged zinc die-cast shell, long lasting and dependable
- Internal thread on shell is well protected against any damage



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## Technical Specification

### Neutrik NC3FXX-B Specification

<b>Connection type:</b> XLR	<b>Insertion force:</b> $\leq 20$ N
<b>Gender:</b> female	<b>Withdrawal force:</b> $\leq 20$ N
<b>Electrical</b>	<b>Lifetime:</b> $> 1000$ mating cycles
<b>Capacitance between contacts:</b> $\leq 4$ pF	<b>Wiresize:</b> max. $2.5$ mm <sup>2</sup>
<b>Contact resistance:</b> $\leq 3$ m $\Omega$	<b>Wiresize:</b> max. 14 AWG
<b>Dielectric strength:</b> 1.5 kVdc	<b>Wiring:</b> Solder contacts
<b>Insulation resistance:</b> $> 10$ G $\Omega$ (initial)	<b>Locking device:</b> Latch lock
<b>Rated current per contact:</b> 16 A	<b>Material</b>
<b>Rated voltage:</b> $< 50$ V	<b>Boot:</b> Polyurethan
<b>Environmental</b>	<b>Contact plating:</b> $0.2$ $\mu$ m Au hard alloy over $2$ $\mu$ m Ni
<b>Flammability:</b> UL 94 V-0	<b>Contacts:</b> Bronze (CuSn8)
<b>Standard compliance:</b> IEC 61076-2-103	<b>Insert:</b> Polyamide (PA66)
<b>Protection class:</b> IP 40	<b>Locking element:</b> Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
<b>Solderability:</b> Complies with IEC 68-2-20	<b>Shell:</b> Zinc diecast (ZnAl4Cu1)
<b>Temperature range:</b> $-30$ °C to $+80$ °C	<b>Shell plating:</b> Black chromium
<b>Mechanical</b>	<b>Strain relief:</b> Polyacetal (POM)
<b>Cable O.D.:</b> 3.5 - 8.0 mm	