#### NEUTRIK



# NC5FXX

5 pole female cable connector with Nickel housing and silver 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 cable strain relief.

### **Features & Benefits**

- Unique cage design of female contact for low contact resistance and high integrity
- Female connector with improved solid metal latch which is larger and easier to handle
- Improved chuck type strain relief provides higher pullout force and makes assembly easier and faster
- Colored rings and boots available for coding or identification
- Rugged zinc diecast shell, longlasting and dependable

- Female contact incorporates a solder barrier to prevent solder running into the contact mating area
- Additional ground spring contacts for better shell ground continuity
- Boot with polyurethane gland gives high protection to cable bending stresses
- Sleek and ergonomic design valuable and handy
- Internal thread on shell is well protected against any damage

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## **Technical Information**

| Product         |        |
|-----------------|--------|
| Title           | NC5FXX |
| Connection Type | XLR    |
| Gender          | female |

#### Electrical

| Capacitance between contacts | ≤ 7 pF              |
|------------------------------|---------------------|
| Contact resistance           | $\leq$ 3 m $\Omega$ |
| Dielectric strength          | 1,5 kVdc            |
| Insulation resistance        | > 10 GΩ (initial)   |
| Rated current per contact    | 7,5 A               |
| Rated voltage                | < 50 V              |

| Mechanical       |                          |
|------------------|--------------------------|
| Cable O.D.       | 3.5 - 8.0 mm             |
| Insertion force  | ≤ 20 N                   |
| Withdrawal force | ≤ 20 N                   |
| Lifetime         | > 1000 mating cycles     |
| Wiresize         | max. 1.0 mm <sup>2</sup> |
| Wiresize         | max. 18 AWG              |
| Wiring           | Solder contacts          |
| Locking device   | Latch lock               |

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| Material        |  |
|-----------------|--|
| Boot            | Polyurethan                              |
| Contact plating | 2 μm Ag over 2 μm Ni                     |
| Contacts        | Brass (CuZn39Pb3)                        |
| Insert          | Polyamide (PA66)                         |
| Locking element | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| Shell           | Zinc diecast (ZnAl4Cu1)                  |
| Shell plating   | Nickel                                   |
| Strain relief   | Polyacetal (POM)                         |

| Environmental       |                           |
|---------------------|---------------------------|
| Flammability        | UL 94 V-0                 |
| Standard compliance | IEC 61076-2-103           |
| Protection class    | IP 40                     |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -30 °C to +80 °C          |