



## NC6FXX

6 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 pull-out force and makes assembly easier and faster
- Colored rings and boots available for coding or identification
- Rugged zinc diecast shell, longlasting and dependable
- Branded with unique hologram - guarantees genuine and authentic Neutrik product
- 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

**Technical Information**

| Product                |        |
|------------------------|--------|
| <b>Title</b>           | NC6FXX |
| <b>Connection Type</b> | XLR    |
| <b>Gender</b>          | female |

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

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

| Material               |  |
|------------------------|--|
| <b>Boot</b>            | Polyurethan                              |
| <b>Contact plating</b> | 2 µm Ag over 2 µm Ni                     |
| <b>Contacts</b>        | Brass (CuZn39Pb3)                        |
| <b>Insert</b>          | Polyamide (PA 6.6 30 % GR)               |
| <b>Locking element</b> | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| <b>Shell</b>           | Zinc diecast (ZnAl4Cu1)                  |
| <b>Shell plating</b>   | Nickel                                   |
| <b>Strain relief</b>   | Polyacetal (POM)                         |

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