



## NC6FXX-B

6 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 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
- 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         |          |
|-----------------|----------|
| Title           | NC6FXX-B |
| Connection Type | XLR      |
| Gender          | female   |

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

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

| Material        |  |
|-----------------|--|
| Boot            | Polyurethan                              |
| Contact plating | 0.2 µm Au hard alloy over 2 µm Ni        |
| Contacts        | Brass (CuZn39Pb3)                        |
| Insert          | Polyamide (PA 6.6 30 % GR)               |
| Locking element | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| Shell           | Zinc diecast (ZnAl4Cu1)                  |
| Shell coating   | Black KTL                                |
| Strain relief   | Polyacetal (POM)                         |

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