



# NC6FX-B

## PHASE OUT

direct replacement / successor: NC6FXX-B

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

The "industry standard" XLR cable connector, easy to assemble with only 4 parts and no screws. Compact design with sturdy diecast shell, fibreglass reinforced hard plastic insert and chuck type strain relief for secure clamping of all cables.

## Features & Benefits

- ✓ Rugged zinc diecast shell, long lasting and durable
- ✓ Chuck type strain relief system for secure clamping of cables
- ✓ Boot with rubber gland gives high protection against bending stresses
- ✓ Coloured rings and boots available for coding and marking
- ✓ UL recognized components

## Technical Information

| Product         |         |
|-----------------|---------|
| Title           | NC6FX-B |
| Connection Type | XLR     |
| Gender          | female  |

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

| Mechanical       |                         |
|------------------|-------------------------|
| Cable O.D.       | 3.5 - 8.0 mm            |
| Insertion force  | $\leq 20 \text{ N}$     |
| Withdrawal force | $\leq 20 \text{ N}$     |
| Lifetime         | $> 1000$ mating cycles  |
| Wiresize         | max. $1.0 \text{ mm}^2$ |
| 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         | St3K32 (latch) / Ck 67 (spring)   |
| Locking element plating | Nickel                            |
| Shell                   | Zinc diecast (ZnAl4Cu1)           |
| Shell plating           | Black chromium                    |
| Strain relief           | Polyacetal (POM)                  |

| Environmental       |                           |
|---------------------|---------------------------|
| Approvals           | UL                        |
| 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          |