



## NC3FXX

3 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 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
- ✓ Colored rings and boots available for coding or identification
- ✓ Sleek and ergonomic design - valuable and handy
- ✓ Rugged zinc diecast shell, longlasting and dependable
- ✓ Internal thread on shell is well protected against any damage

## Technical Information

| Product         |        |
|-----------------|--------|
| Title           | NC3FXX |
| Connection Type | XLR    |
| Gender          | female |

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 4 \text{ pF}$              |
| Contact resistance           | $\leq 3 \text{ m}\Omega$         |
| Dielectric strength          | 1,5 kVdc                         |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 16 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. $2.5 \text{ mm}^2$ |
| Wiresize         | max. 14 AWG             |
| Locking device   | Latch lock              |

| Material                |                                          |
|-------------------------|------------------------------------------|
| Boot                    | Polyurethan                              |
| Contact plating         | 2 µm Ag                                  |
| Contacts                | Bronze (CuSn8)                           |
| Insert                  | Polyamide (PA66)                         |
| Locking element         | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| Locking element plating | Nickel                                   |
| 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 60068-2-20 |
| Temperature range   | -30 °C to +80 °C             |