



## NC3FXX-HE

3 pole female cable connector, velour-chromium housing and machined gold contacts.

Exclusive version of standard XX Series. Valuable velour chromium plating. Extra high temperature resistant insulator material.

## Features & Benefits

- ✓ Extra high temperature resistant insulator material
- ✓ Machined female contacts
- ✓ Valuable velour chromium plating of shell
- ✓ Female connector with improved solid metal latch which is larger and easier to handle
- ✓ Additional ground spring contacts for better shell ground continuity
- ✓ Flammability UL94V-0
- ✓ 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

## Technical Information

| Product         |           |
|-----------------|-----------|
| Title           | NC3FXX-HE |
| 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             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |

| Material                |                                          |
|-------------------------|------------------------------------------|
| Boot                    | Polyurethan                              |
| Contact plating         | 0.2 µm Au hard alloy over 2 µm Ni        |
| Contacts                | Brass (CuZn35Pb2)                        |
| Insert                  | Polyphenylene Sulfide (PPS 40% GR)       |
| Locking element         | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| Locking element plating | Nickel                                   |
| Shell                   | Zinc diecast (ZnAl4Cu1)                  |
| Shell plating           | Velour Chromium                          |
| 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          |