



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
- Valuable velour chromium plating of shell
- 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
- Colored rings and boots available for coding or identification
- Machined female contacts
- Female connector with improved solid metal latch which is larger and easier to handle
- Flammability UL94V-0
- Boot with polyurethane gland gives high protection to cable bending stresses
- 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 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) |
| 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 |