



## NC3MX-HD

3 pole male cable connector, "heavy duty", metal boot and stainless steel shell, gold contacts

The X-HD Series is a "Heavy duty" XLR cable connector for outdoor use. All metal design, dust and water protected according to IP 65 by mating with related X-HD cable connector or MPR-HD chassis connector. Gold contacts are standard.

### Features & Benefits

- "Heavy duty" cable connector for outdoor use
- All metal design
- Male connector in stainless steel
- NC\*MX-HD mates with NC\*FX-HD cable connector
- Dust and water protected according IP 65 in mated condition
- Gold contacts
- Chuck type strain relief system for secure clamping of cables
- Boot with rubber gland gives high protection against bending stresses

## Technical Information

| Product         |          |
|-----------------|----------|
| Title           | NC3MX-HD |
| Connection Type | XLR      |
| Gender          | male     |

| 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 <sup>2</sup> |
| Wiresize         | max. 14 AWG              |
| Wiring           | Solder contacts          |
| Locking device   | Latch lock               |

| Material        |                                   |
|-----------------|-----------------------------------|
| Boot            | Polyurethan                       |
| Bushing         | Stainless steel                   |
| Contact plating | 0.2 µm Au hard alloy over 2 µm Ni |
| Contacts        | Brass (CuZn39Pb3)                 |
| Insert          | Polyamide (PA66)                  |
| Locking element | Stainless steel                   |
| Shell           | Stainless steel                   |
| Shell plating   | none                              |
| Strain relief   | Polyacetal (POM)                  |
| Sealing jacket  | EPDM                              |

| Environmental       |                           |
|---------------------|---------------------------|
| Approvals           | UL                        |
| Flammability        | UL 94 V-0                 |
| Standard compliance | IEC 61076-2-103           |
| Protection class    | IP 65                     |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -30 °C to +80 °C          |