



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

**Technical Information**

| Product                |          |
|------------------------|----------|
| <b>Title</b>           | NC3MX-HD |
| <b>Connection Type</b> | XLR      |
| <b>Gender</b>          | male     |

| Electrical                          |                             |
|-------------------------------------|-----------------------------|
| <b>Capacitance between contacts</b> | $\leq 4$ pF                 |
| <b>Contact resistance</b>           | $\leq 3$ m $\Omega$         |
| <b>Dielectric strength</b>          | 1,5 kVdc                    |
| <b>Insulation resistance</b>        | $> 10$ G $\Omega$ (initial) |
| <b>Rated current per contact</b>    | 16 A                        |
| <b>Rated voltage</b>                | $< 50$ V                    |

| Mechanical              |                          |
|-------------------------|--------------------------|
| <b>Cable O.D.</b>       | 3.5 - 8.0 mm             |
| <b>Insertion force</b>  | $\leq 20$ N              |
| <b>Withdrawal force</b> | $\leq 20$ N              |
| <b>Lifetime</b>         | $> 1000$ mating cycles   |
| <b>Wiresize</b>         | max. 2.5 mm <sup>2</sup> |
| <b>Wiresize</b>         | max. 14 AWG              |
| <b>Wiring</b>           | Solder contacts          |
| <b>Locking device</b>   | Latch lock               |

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

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

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