



## 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 (PA 6.6 30 % GR)
<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 HB
<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