



## 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

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|---|---|
| <ul style="list-style-type: none"><li>• "Heavy duty" cable connector for outdoor use</li></ul>                  | <ul style="list-style-type: none"><li>• All metal design</li></ul>  |
| <ul style="list-style-type: none"><li>• Male connector in stainless steel</li></ul>                             | <ul style="list-style-type: none"><li>• NC*MX-HD mates with NC*FX-HD cable connector</li></ul>                          |
| <ul style="list-style-type: none"><li>• Dust and water protected according IP 65 in mated condition</li></ul>   | <ul style="list-style-type: none"><li>• Gold contacts</li></ul>   |
| <ul style="list-style-type: none"><li>• Chuck type strain relief system for secure clamping of cables</li></ul> | <ul style="list-style-type: none"><li>• Boot with rubber gland gives high protection against bending stresses</li></ul> |

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. $2.5 \text{ mm}^2$
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