



# NC4MX-HD

## PHASE OUT

direct replacement / successor: NC4MXX-HD-D

alternative product: NC4MX-TOP

4 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

<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	NC4MX-HD
Connection Type	XLR
Gender	male

Electrical	
Capacitance between contacts	$\leq 7 \text{ pF}$
Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	10 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. $1.5 \text{ mm}^2$
Wiresize	max. 16 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