



## NC4FX-HD

4 pole female cable connector, "heavy duty", all metal design, 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
- NC\*FX-HD mates with NC\*MPR-HD chassis connector and NC\*MX-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	NC4FX-HD
Connection Type	XLR
Gender	female

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 mm <sup>2</sup>
Wiresize	max. 16 AWG
Wiring	Solder contacts
Locking device	Latch lock

<b>Material</b>	
<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>	St3K32 (latch) / Ck 67 (spring)
<b>Shell</b>	Stainless steel
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Polyacetal (POM)

<b>Environmental</b>	
<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