



NC3FX-HD

3 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	NC3FX-HD
Connection Type	XLR
Gender	female

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 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	Bronze (CuSn8)
Insert	Polyamide (PA66)
Locking element	St3K32 (latch) / Ck 67 (spring)
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