

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 [hide](#)

Product

Title	NC3FX-HD
Connection Type	XLR
Gender	female

Electrical

Capacitance between contacts	≤ 4 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current per contact	16 A
Rated voltage	< 50 V

Mechanical

Cable O.D.	3.5 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	max. 2.5 mm ²
Wiresize	max. 14 AWG
Wiring	Solder contacts

Material	
Boot	Polyurethan
Bushing	Stainless steel
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Bronze (CuSn8)
Insert	Polyamide (PA 6.6 30 % GR)
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 HB
Standard compliance	IEC 61076-2-103
Protection class	IP 65
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C
