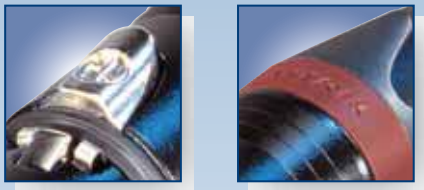


# XLR Cable Connectors



## XX Series

## EMC-XLR Series

**NEW**

**NEW**



NC3FXX

NC3MXX-B

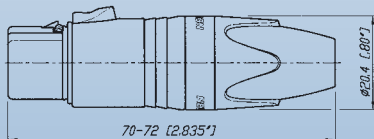
NC3FXX-EMC

NC3MXX-EMC

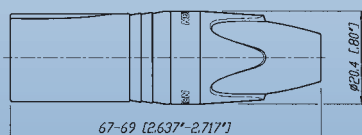
- The next generation of the worldwide accepted standard.
- Unique cage type female contact - increases conductivity.
- Female contact with "solder stop" for ease soldering.
- Male connector without locking "window" - more stringent housing, increases durability.
- Improved chuck type strain relief - increases retention force and makes assembly easier and faster.
- New ground contact - excellent contact integrity between chassis and cable connector.
- Customized branding using translucent ring.
- Sleek and ergonomic design - valuable and handy.

- 3-pole male / female XLR cable connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise.
- 360° shield contact on female connector ensures best possible shielding and chassis contact.
- Patent pending

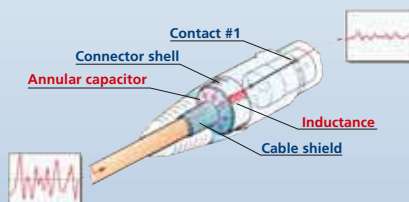
### NC\*FXX



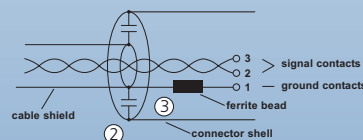
### NC\*MXX



\* ... 3 - 7 contacts



- ① Design guarantees a continuous RF-shield connection but avoids ground loops (no LF-shield connection)
- ② Circular capacitor enables low-inductive shield connection to connector housing
- ③ Cable shield - PIN 1 connection includes EMI suppression bead (blocks high frequencies)



- Quality Design

# XLR Cable Connectors



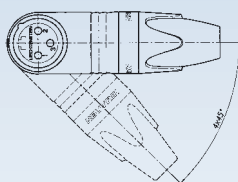
## RX Series

## XX-HE Series

**NEW**



NC3FRX



Outlet position

- Extra slim right-angle connector
- Neutrik chuck type strain relief
- 5 selectable cable outlet positions
- Only 20 mm wide

**NEW**



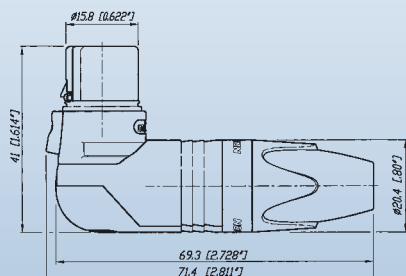
NC3FXX-HE



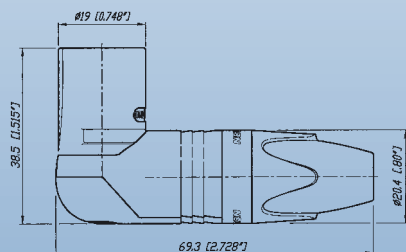
NC3MXX-HE

- Exclusive version of standard XX Series
- Valuable velour chromium plating
- Extra high temperature resistant insulator material
- Machined female contacts

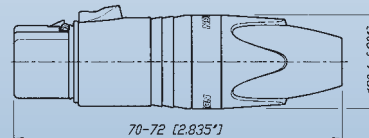
NC\*FRX



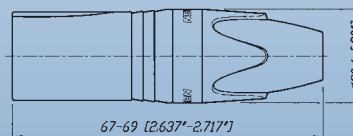
NC\*MRX



NC3FXX-HE



NC3MXX-HE



\* ... 3 - 7 contacts

Look for the Logo



# XLR Cable Connectors



## X Series

## X-HD Series



NC3FX




NC3MX



NC5FX-HD

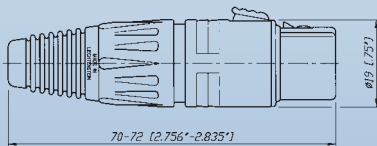


NC4MX-HD

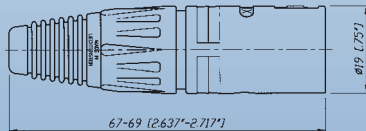
- The worldwide accepted XLR connector standard
- Rugged diecast shell
- Compact design (shortest available XLR cable connector)
- Time saving assembly – 4 parts only, no screws
- Neutrik unique chuck type strain relief
- Gold or silver plated contacts
-  UL Recognized components
- Available in 3 - 7 pin configuration

- "Heavy duty" cable connectors for outdoor use
- All metal design, stainless steel
- NC\*FX-HD mates with our new NC\*MPR-HD chassis connector
- Dust and water protected according IP 65 in mated combination with NC\*MPR-HD
- Available in 3 - 5 pin configuration

### NC\*FX

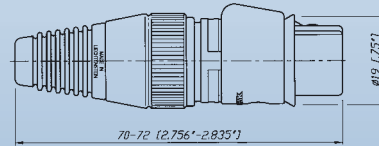


### NC\*MX

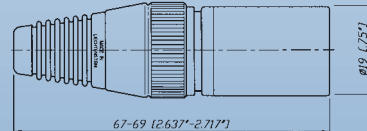


\* ... 3 - 7 contacts

### NC\*FX-HD



### NC\*MX-HD



\* ... 3 - 5 contacts

t o i d e n t i f y t h e o r i g i n a l

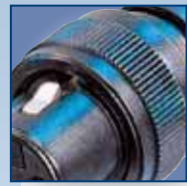
# XLR Cable Connectors



**XCC Series**



**FXS Series**



**FX-SPEC Series**



NC3FXCC

- 3 pole cable connector with a circumferential shield contact for best EMI protection.
- Featuring a coaxial ground spring and coaxial hex crimp ferrule at the cable entrance for proper and reliable transition of the cable shield to the shell.
- Zebra coding ring to indicate digital AES signals included.



NC3FXS

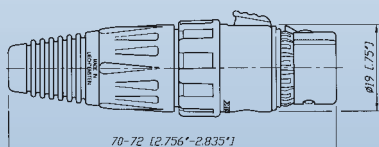
- FX connector with noiseless ON-OFF switch short-circuiting contacts 2 + 3.
- For use on a microphone without switch.



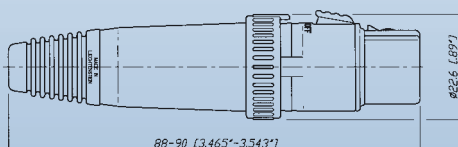
NC3FX-SPEC

- Solid female cable connector with locking ring for highest security of connection.
- Uninterrupted EMI protection.
- Protects against accidental disconnects.
- Thief-proof, grub screw secure connector onto microphone or gooseneck.
- Avoids movements and noises

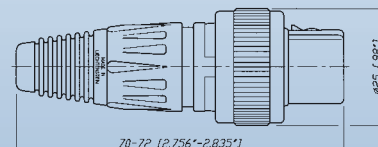
**NC3FXCC**



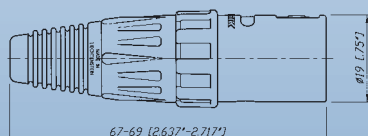
**NC3FXS**



**NC3FX-SPEC**



**NC3MXCC**



**Q u a l i t y   T h i n k i n g**

# Technical Data

Specification		XX Series	EMC Series	X Series	XCC Series	X-HD Series	FXS Series	XX-HE Series	FX-SPEC Series	RX Series
<b>Electrical</b>										
Number of contacts		3 - 7	3	3 - 7	3	3 - 5	3	3	3	3 - 7
Contact resistance	≤ 3 mΩ	●	●	●	●	●	●	●	●	●
Insulation resistance	- initial: > 2 GΩ	●	●	●	●	●	●	●	●	●
	- after damp heat test: > 1 GΩ	●	●	●	●	●	●	●	●	●
Dielectric strength	1500 V dc	●	●	●	●	●	●	●	●	●
Cable shield-shell connection	choosable	●	-	●	-	●	-	●	●	●
	determined	-	capacitive	-	crimp	-	-	-	-	-
Shielding effectiveness	> 55 dB @ 1.3 GHz	-	●	-	●	-	-	-	-	-
Lossy ferrite bead on PIN 1		-	●	-	-	-	-	-	-	-
Rated current per contact @ 35°C										
	3 pole: 16 A	●	5 A	●	●	●	●	●	●	●
	4 pole: 10 A	●	-	●	-	●	-	-	-	●
	5, 6 pole: 7.5 A	●	-	●	-	●	-	-	-	●
	7 pole: 5 A	●	-	●	-	-	-	-	-	●
Capacitance between contacts										
	3 pole: ≤ 4 pF	●	●	●	●	●	●	●	●	●
	4, 5, 6 pole: ≤ 7 pF	●	-	●	-	●	-	-	-	●
	7 pole: ≤ 9 pF	●	-	●	-	-	-	-	-	●
Rated Voltage	50 V ac	●	●	●	●	●	●	●	●	●
<b>Mechanical</b>										
Lifetime	> 1'000 cycles	●	●	●	●	●	●	●	●	●
Insertion / withdrawal force	≤ 20 N	●	●	●	●	●	●	●	●	●
Cable O.D. range	3.5 - 8.0 mm	●	-	●	5.4 - 6.2 mm	●	●	●	●	●
Max. wire size	3 pole: 2.5 mm <sup>2</sup> / AWG 14	●	AWG 20	●	●	●	●	●	●	●
	4 pole: 1.5 mm <sup>2</sup> / AWG 16	●	-	●	-	●	-	-	-	●
	5, 6, 7 pole: 1.0 mm <sup>2</sup> / AWG 18	●	-	●	-	●	-	-	-	●
Crimp tool:	6.5 mm Hex die (size "E" acc. to IEC 60803)	-	-	-	●	-	-	-	-	-
<b>Material</b>										
Shell	Zinc diecast (ZnAl4Cu1)	●	●	●	●	-	●	●	●	●
	(gal Ni or black Cr)	●	gal Ni	●	●	black Cr	●	●	●	●
	Stainless steel	-	-	-	-	-	-	-	-	-
Insert	Polyamide PA 6.6 30% GR	●	●	●	●	●	●	●	●	●
Contacts	- female 3 pole: Bronze (CuSn8)	●	●	●	●	●	●	●	●	●
	- female 4 - 7 pole & male: Brass (CuZn39Pb3)	●	-	●	●	●	-	●	-	●
Contact surface	Silver gal 2 μm Ag	●	Au	●	●	Au	●	●	●	●
	or Gold gal 0.2 μm Au hard alloy over 2 μm Ni	-	-	-	-	-	-	-	-	-
Latch lock	St3K32 (latch) / Ck 67 (spring)	-	-	●	●	●	●	-	●	-
Strain-relief clamp	Zinc diecast (ZnAl4Cu1)	●	●	-	-	-	-	●	-	●
Strain-relief clamp	POM	●	●	●	●	●	●	●	●	●
Bushing	PA / PU	●	●	●	●	●	●	●	●	●
Circumferential ground spring	CuSn6, Ni plated	-	●	-	●	-	-	-	-	-
Crimp ferrule	CuZn39Pb3, Ni plated	-	-	-	●	-	-	-	-	-
Coding ring	PA 6 15% GR	-	-	-	●	-	-	-	-	-
Sealing jacket	EPDM	-	-	-	-	●	-	-	-	-
Securing ring	Brass (CuZn39Pb3)	-	-	-	-	-	-	-	●	-
<b>Environmental</b>										
Operating temperature	-30°C to +80°C	●	●	●	●	●	●	●	●	●
Flammability	UL 94 HB	●	●	●	●	●	●	●	●	●
Protection class	IP 40	●	●	●	●	IP 65	●	●	●	●
Solderability complies with IEC 68-2-20		●	●	●	●	●	●	●	●	●
Manufacturing Standard IEC 61076-2-103		●	●	●	●	●	●	●	●	●

# Ordering Information

## Ordering Information for Cable Connectors

Female	Male	Shell	Contact - plating	3 pole	4 pole	5 pole	6 pole	7 pole
<b>XX Series</b>								
NC*FXX	NC*MXX	Nickel	Silver	●	●	●	●	●
NC*FXX-B	NC*MXX-B	Black Cr	Gold	●	●	●	●	●
NC*FXX-BAG	NC*MXX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FXX-**-D <sup>1</sup>	NC3MXX-**-D <sup>1</sup>	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
<b>XX-EMC Series</b>								
NC3FXX-EMC	NC3MXX-EMC	Nickel	Gold	●	-	-	-	-
<b>X Series</b>								
NC*FX	NC*MX	Nickel	Silver	●	●	●	●	●
NC*FX-B	NC*MX-B	Black Cr	Gold	●	●	●	●	●
NC*FX-BAG	NC*MX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FX-**-D <sup>1</sup>	NC3MX-**-D <sup>1</sup>	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
NC6FSX <sup>2</sup>	NC6MSX <sup>2</sup>	Nickel	Silver	-	-	-	●	-
NC6FSX-B <sup>2</sup>	NC6MSX-B <sup>2</sup>	Black Cr	Gold	-	-	-	●	-
NC6FSX-BAG <sup>2</sup>	NC6MSX-BAG <sup>2</sup>	Black Cr	Silver	-	-	-	●	-
<b>RX Series</b>								
NC*FRX	NC*MRX	Nickel	Silver	○	○	○	○	○
NC*FRX-B	NC*MRX-B	Black Cr	Gold	○	○	○	○	○
NC*FRX-BAG	NC*MRX-BAG	Black Cr	Silver	○	○	○	○	○
<b>XX-HE Series</b>								
NC3FXX-HE	NC3MXX-HE	Velour Chromium	Gold	●	-	-	-	-
<b>FXS Series</b>								
NC3FXS	-	Nickel	Gold	●	-	-	-	-
NC3FXS-B	-	Black Cr	Gold	●	-	-	-	-
<b>FX-SPEC Series</b>								
NC3FX-SPEC	-	Black Cr	Silver	●	-	-	-	-
<b>XCC Series</b>								
NC3FXCC	NC3MXCC	Nickel	Gold	●	-	-	-	-
<b>X-HD Series</b>								
NC*FX-HD	NC*MX-HD	Nickel	Gold	●	●	●	-	-
NC3FX-HD-B	NC3MX-HD-B	Metal Black	Gold	●	-	-	-	-

\* ..... Number of Contacts

\*\* ..... Nickel or Black

○ ..... Available Summer 2006

-D<sup>1</sup> .... Bulk packed, to be ordered in multiples of 100 pcs.

<sup>2</sup> ..... Switchcraft Equivalent

Look for the Logo

