

# XLR Cable Connectors



Ergonomic latch design



Neutrik hologram



Inside view



Circumferential ground shield contact

## XX Series



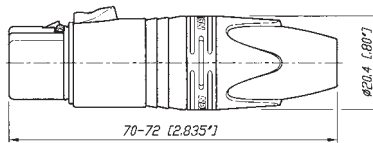
NC3FXX



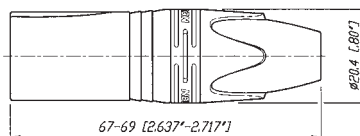
NC6MXX-B

- 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 robust 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
- Unique hologram – guarantees genuineness and protects against counterfeits
- Internal thread on shell is well protected against any damage

### NC\*FXX



### NC\*MXX



\*: 3 - 7 contacts

## EMC-XLR Series

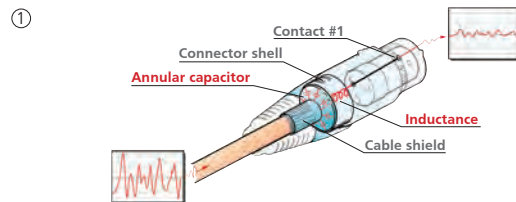


NC3FXX-EMC

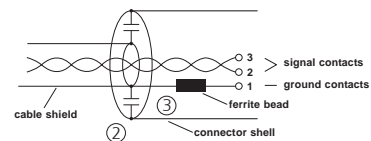


NC3MXX-EMC

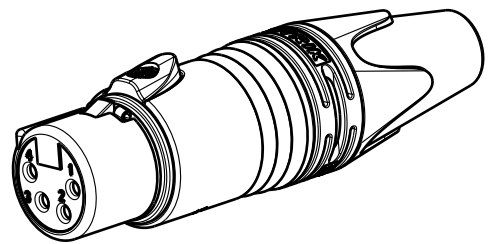
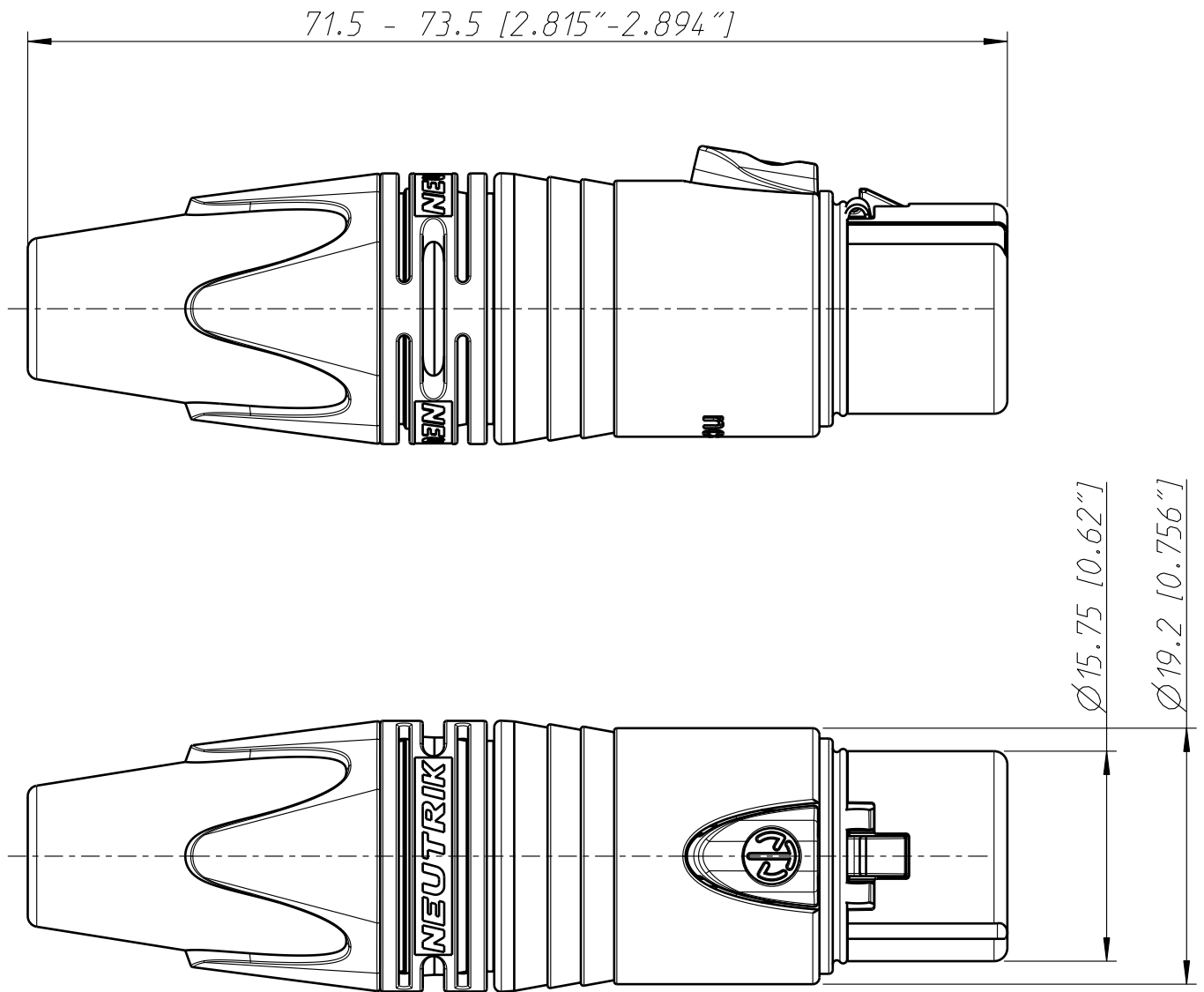
- 3-pole male / female XLR cable connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise
- 360° shield contact on female connector ensures best possible shielding and chassis contact
- Patent



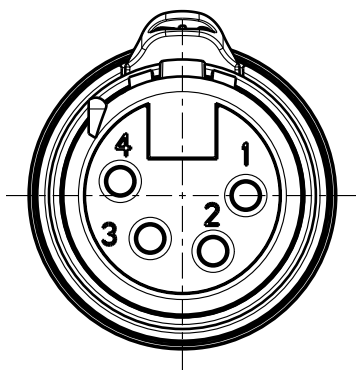
- ① Design guarantees a continuous RF-shield connection but avoids ground loops (no LF-shield connection)
- ② Circular capacitor enables low-inductive shield connection to connector housing
- ③ Cable shield - PIN 1 connection includes EMI suppression bead (blocks high frequencies)



<b>Product</b>	
Connector Type	XLR
Gender	female
<b>Electrical</b>	
Capacitance between contacts	≤ 7 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 2 GΩ (initial)
Insulation resistance	> 1 GΩ (after damp heat test)
Rated current per contact	10 A
Rated voltage	50 V
<b>Mechanical</b>	
Cable O.D.	3.5 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wire size	max. 1.5 mm <sup>2</sup>
Wire size	max. 16 AWG
Wiring	Solder contacts
Locking device	latch lock
<b>Material</b>	
Boot	Polyuretan
Bushing	Polyamide (PA 6 15% GR)
Contact plating	2 μm Ag over 2 μm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	St3K32 (latch) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal (POM)
<b>Environmental</b>	
Approvals	UL
Flammability	UL 94 HB
Standard compliance	IEC 61076-2-103
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C



1:1



Allgemeintoleranzen ISO 2768-m	Werkstoff	Massstab:  2:1 (A4)	Gezeichnet	Datum	Name
	KEIN_MAT		Freigegeben	19.12.05	jutz b
Zeichnung urheberrechtlich geschuetzt (DIN 34) (C)	-	-	Geändert	-	-
			Aend.-Nr.	17.04.07	jutz b
Benennung	XX-Serie NC4FXX	-	Aend.-Index		
			B		
NEUTRIK AG FL-9494 SCHAAN		Zeichn. Nr.	Blatt 1		
			von 1 Bl.		
			ST-NC4FXX		