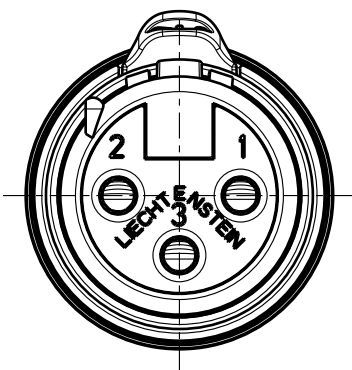


1:1



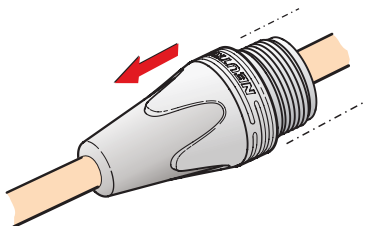
Allgemeintoleranzen ISO 2768-m	Werkstoff KEIN_MAT	Massstab: 2:1 (A4)	Gezeichnet	05.07.04	jutz b
			Freigegeben	-	-
Zeichnung urheberrechtlich geschuetzt (DIN 34) (C)	-		Geändert	17.04.07	jutz b
			Aend.-Nr.	-	Aend.-Index B
Benennung XX-Serie NC 3FXX			Ersatz fuer:		Blatt 1 von 1 Bl.
NEUTRIK AG FL-9494 SCHAAN			Zeichn. Nr. ST-NC 3FXX		



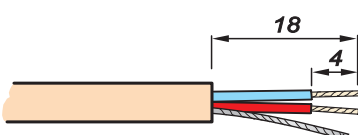
# ASSEMBLY INSTRUCTION

## NC\*FXX & NC\*MXX | XLR Cable Connector

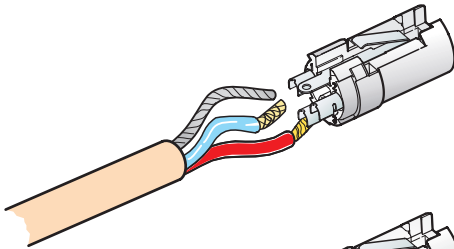
**(A)**



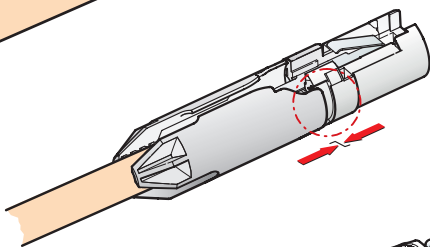
**(B)**



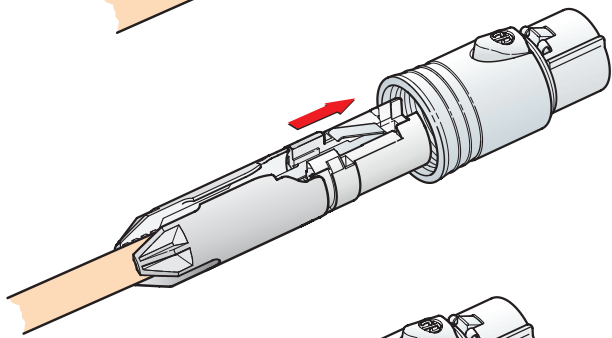
**(C)**



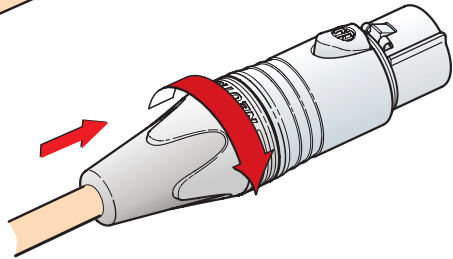
**(D)**



**(E)**



**(F)**



**(A)** Slide the boot onto the cable.

**(B)** Prepare cable as shown.

**(C)** Insert wires into the terminals and solder them.


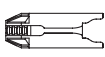

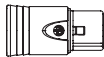
**(D)** Put chuck onto the cable.  
**Attention: Pay attention to the guiding key.**

**(E)** Slide insert and chuck together into the housing.


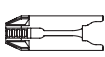


**(F)** Finish the installation by turning the bushing onto the connector.

**ORDER OF ASSEMBLY**

**NC\*FXX**

			
bushing	chuck	insert	housing

**NC\*MXX**

			
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## NC3FXX

3 pole female cable connector with Nickel housing and silver contacts.

The next generation of the worldwide accepted standard of XLR cable connectors. The successor of the X series offers several new features which make it more reliable, easier to assemble and improves contact integrity as well cable strain relief.

### Features & Benefits

- Unique cage design of female contact for low contact resistance and high integrity
- Female connector with improved solid metal latch which is larger and easier to handle
- Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster
- Colored rings and boots available for coding or identification
- Rugged zinc diecast shell, longlasting and dependable
- Female contact incorporates a solder barrier to prevent solder running into the contact mating area
- Additional ground spring contacts for better shell ground continuity
- Boot with polyurethane gland gives high protection to cable bending stresses
- Sleek and ergonomic design - valuable and handy
- Internal thread on shell is well protected against any damage

## Technical Information

Product	
Title	NC3FXX
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	$\leq 4$ pF
Contact resistance	$\leq 3$ m $\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10$ G $\Omega$ (initial)
Rated current per contact	16 A
Rated voltage	$< 50$ V

Mechanical	
Cable O.D.	3.5 - 8.0 mm
Insertion force	$\leq 20$ N
Withdrawal force	$\leq 20$ N
Lifetime	$> 1000$ mating cycles
Wiresize	max. 2.5 mm <sup>2</sup>
Wiresize	max. 14 AWG
Locking device	Latch lock

Material	
Boot	Polyurethan
Contact plating	2 µm Ag
Contacts	Bronze (CuSn8)
Insert	Polyamide (PA66)
Locking element	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal (POM)

Environmental	
Flammability	UL 94 V-0
Standard compliance	IEC 61076-2-103
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C