



## 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	
<b>Title</b>	NC3FXX
<b>Connection Type</b>	XLR
<b>Gender</b>	female

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

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

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

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