



## NC3FXX-50

3 pole female cable connector, 50<sup>th</sup> Anniversary Special Edition

To mark this milestone, we proudly present our 50th Anniversary Special Edition

Crafted with a unique dark grey conductive metal plating and the 50 years anniversary logo laser engraved, these connectors combine exceptional durability and elegance, while gold-plated contacts ensure superior performance and reliability. The female XLR features a matching plated push button for seamless design integration.

### Features & Benefits

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

## Technical Information

Product	
Title	NC3FXX-50
Product family	xlrCON
Connection type	cable connector
Gender	female

Electrical	
Capacity 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 Vac

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

Material	
Boot	Polyurethan
Contact	Bronze (CuSn8)
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Insert	Polyamide (PA66)
Locking element	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
Locking element plating	50 years Special Edition plating CuNi
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	50 years Special Edition plating CuNi
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