



## 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

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|---|---|
| <ul style="list-style-type: none"><li>• conductive metal plating</li></ul>  | <ul style="list-style-type: none"><li>• seamless design integration</li></ul>   |
| <ul style="list-style-type: none"><li>• gold plated contacts</li></ul>  | <ul style="list-style-type: none"><li>• Unique cage design of female contact for low contact resistance and high integrity</li></ul>                    |
| <ul style="list-style-type: none"><li>• Female connector with improved solid metal latch which is larger and easier to handle</li></ul> | <ul style="list-style-type: none"><li>• Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster</li></ul> |
| <ul style="list-style-type: none"><li>• Colored rings and boots available for coding or identification</li></ul>                        | <ul style="list-style-type: none"><li>• Female contact incorporates a solder barrier to prevent solder running into the contact mating area</li></ul>   |
| <ul style="list-style-type: none"><li>• Additional ground spring contacts for better shell ground continuity</li></ul>                  | <ul style="list-style-type: none"><li>• Boot with polyurethane gland gives high protection to cable bending stresses</li></ul>                          |
| <ul style="list-style-type: none"><li>• Internal thread on shell is well protected against any damage</li></ul>                         |   |

## Technical Information

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

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

Mechanical	
Cable O.D.	3.5 - 8.0 mm
Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
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