



NC7FXX

7 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

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

Technical Information

Product	
Title	NC7FXX
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	$\leq 9\text{ pF}$
Contact resistance	$\leq 3\text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10\text{ G}\Omega$ (initial)
Rated current per contact	5 A
Rated voltage	$< 50\text{ V}$

Mechanical	
Cable O.D.	3.5 - 8.0 mm
Insertion force	$\leq 20\text{ N}$
Withdrawal force	$\leq 20\text{ N}$
Lifetime	> 1000 mating cycles
Wiresize	max. 1.0 mm^2
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock

Material	
Boot	Polyurethan
Contact plating	2 µm Ag over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal (POM)

Environmental	
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