

NC6FSXX

6 pole female cable connector with Nickel housing and silver contacts. Equivalent to switchcraft pin layout.

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

Technical Information

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Product	
Title	NC6FSXX
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	≤ 7 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 2 GΩ (initial)
Rated current per contact	7,5 A
Rated voltage	< 50 V

Mechanical	
Cable O.D.	3.5 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	max. 1.0 mm²
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock
Equivalent	Switchcraft pin arrangement

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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)
Locking element plating	Nickel
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

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