



## NC6MSXX

6 pole male 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

- Male connector with improved locking recess without "window", more stringent housing increases durability
- 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
- 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

**Technical Information**

Product	
<b>Title</b>	NC6MSXX
<b>Connection Type</b>	XLR
<b>Gender</b>	male

Electrical	
<b>Capacitance between contacts</b>	$\leq 7$ pF
<b>Contact resistance</b>	$\leq 3$ m $\Omega$
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	$> 2$ G $\Omega$ (initial)
<b>Rated current per contact</b>	7,5 A
<b>Rated voltage</b>	$< 50$ V

Mechanical	
<b>Cable O.D.</b>	3.5 - 8.0 mm
<b>Insertion force</b>	$\leq 20$ N
<b>Withdrawal force</b>	$\leq 20$ N
<b>Lifetime</b>	$> 1000$ mating cycles
<b>Wiresize</b>	max. 1.0 mm <sup>2</sup>
<b>Wiresize</b>	max. 18 AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock
<b>Equivalent</b>	Switchcraft pin arrangement

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

<b>Environmental</b>	
<b>Flammability</b>	UL 94 HB
<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

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