



## NC3FX-TOP

3 pole female cable connector, TRUE OUTDOOR PROTECTED (TOP)

The X-TOP series is a "heavy-duty" XLR cable connector for outdoor use. Outdoor protected by mating with related cable or chassis connector of the XLR TOP range (IP65 and UL50E). Gold contacts are standard.

### Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- Outdoor protection according to IP65 and UL50E (in combination with a TOP range counterpart)
- Uses high impact UV resistant materials

## Technical Information

Product	
<b>Title</b>	NC3FX-TOP
<b>Connection Type</b>	XLR
<b>Gender</b>	female

Electrical	
<b>Capacitance between contacts</b>	$\leq 4$ pF
<b>Contact resistance</b>	$\leq 3$ m $\Omega$
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	$> 10$ G $\Omega$ (initial)
<b>Rated current per contact</b>	8.3 A
<b>Rated voltage</b>	$< 50$ V

Mechanical	
<b>Cable O.D.</b>	5.0 - 8.0 mm
<b>Insertion force</b>	$\leq 20$ N
<b>Withdrawal force</b>	$\leq 20$ N
<b>Lifetime</b>	$> 5000$ mating cycles
<b>Wiresize</b>	max. 1.5 mm <sup>2</sup>
<b>Wiresize</b>	max. 16 AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock

Material	
<b>Bushing</b>	UV-resistant rubber
<b>Contact plating</b>	0.2 µm Au hard alloy over 2 µm Ni
<b>Contacts</b>	Bronze (CuSn8)
<b>Insert</b>	Polyamide (PA 6.6 30 % GR)
<b>Locking element</b>	St3K32 (latch) / Ck 67 (spring)
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Polyacetal (POM)
<b>Sealing jacket</b>	UV-resistant rubber

Environmental	
<b>Approvals</b>	UL
<b>Flammability</b>	UL 94 HB
<b>Standard compliance</b>	IEC 61076-2-103
<b>Protection class</b>	IP65, UL50E (mated)
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C