



## NC5FX1-TOP-14

5 pole female cable connector for 8 mm - 10 mm cable O.D., TRUE OUTDOOR PROTECTION (TOP), gold contacts

The X-TOP series is a "heavy-duty" XLR cable connector for outdoor use. Outdoor protected by mating with related cable connector of the XLR TOP range (IP65).

Gold contacts are standard.

### Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- Outdoor protection according to IP65
- Uses high impact UV resistant materials
- TOP-Approved in consideration of UL50E

## Technical Information

Product	
Title	NC5FX1-TOP-14
Connection Type	XLR
Gender	female

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

Mechanical	
Cable O.D.	8.0 - 10.0mm
Insertion force	$\leq 20$ N
Withdrawal force	$\leq 20$ N
Lifetime	$> 1000$ mating cycles
Wiresize	max. 1.0 mm <sup>2</sup>
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock

<b>Material</b>	
<b>Bushing</b>	UV-resistant rubber
<b>Contact plating</b>	Gold (Au) over Nickel (Ni)
<b>Contacts</b>	Brass (CuZn39Pb3)
<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
<b>Sealing jacket</b>	UV-resistant rubber

<b>Environmental</b>	
<b>Approvals</b>	UL
<b>Flammability</b>	UL 94 HB
<b>Standard compliance</b>	IEC 61076-2-103
<b>Protection class</b>	IP65, UL50E enclosure type 4 (mated)
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C