



## NC10FX-TOP

8+2 pole female cable connector, 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
- High impact UV resistant materials
- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- Superior ruggedness compared to RJ45 type connectors
- IEC 61984 certified

## Technical Information

Product	
<b>Title</b>	NC10FX-TOP
<b>Connection Type</b>	XLR
<b>Gender</b>	Female

Electrical	
<b>Contact resistance</b>	$\leq 3 \text{ m}\Omega$
<b>Dielectric strength</b>	1 kVdc
<b>Insulation resistance</b>	$> 10 \text{ G}\Omega$ (initial)
<b>Number of electrical contacts</b>	8 + 2
<b>Rated current per contact</b>	16 A (power pins), 3 A (data pins)
<b>Rated voltage</b>	50 V
<b>Cable shield - shell connection:</b>	choosable
<b>Transmission performance</b>	CAT 5e

Mechanical	
<b>Cable O.D.</b>	7.0 - 10.0 mm
<b>Insertion force</b>	$\leq 20 \text{ N}$
<b>Withdrawal force</b>	$\leq 20 \text{ N}$
<b>Lifetime</b>	$> 1000$ mating cycles
<b>Wiresize</b>	$< 2.5 \text{ mm}^2 / < 1 \text{ mm}^2$
	8 x 24 AWG + 2 x 16AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock

Material	
<b>Bushing</b>	UV-resistant rubber
<b>Contact plating</b>	Gold (Au) over Nickel (Ni)
<b>Contacts</b>	Brass
<b>Insert</b>	Polyamide
<b>Locking element</b>	St3K32 (latch) / Ck 67 (spring)
<b>Shell</b>	Zinc diecast
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Polyacetal
<b>Sealing jacket</b>	UV-resistant rubber

Environmental	
<b>Flammability acc. to UL94</b>	V-0 (insert)
<b>Standard compliance</b>	IEC 61076-2-103
<b>Protection class acc. IEC 60529</b>	IP65 (mated)
<b>Solderability acc. to</b>	IEC 60068-2-20
<b>Temperature range</b>	-30 °C to +80 °C
<b>Pollution degree acc. to IEC 60664-1</b>	II