



## NC10MX-TOP

8+2 pole male cable connector, TRUE OUTDOOR PROTECTION (TOP), gold contacts

The X-TOP series is a "heavy-duty" XLR cable connector series for outdoor use. IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range

### Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range
- Superior ruggedness compared to RJ45 type connectors
- High impact UV resistant materials
- IEC 61984 certified

Technical Information

Product	
Title	NC10MX-TOP
Connection Type	XLR
Gender	Male

Electrical	
Contact resistance	≤ 3 mΩ
Dielectric strength	1 kVdc
Insulation resistance	> 10 GΩ (initial)
Number of electronical contacts	8 + 2
Rated current per contact	16 A (power pins), 3 A (data pins)
Rated voltage	50 V
Cable shield - shell connection:	choosable
Transmission performance	CAT 5e

Mechanical	
Cable O.D.	7.0 - 10.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	2.5 mm²/<1 mm²
	8 x 24 AWG + 2 x 16AWG
Type of terminations	Solder contacts
Locking device	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</b>	II