



## NC10FDX-TOP

8+2 pole female chassis connector, TRUE  
OUTDOOR PROTECTION (TOP)

The X-TOP series is a "heavy-duty" XLR cable connector 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

Gold contacts are standard.

### Features & Benefits

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| <ul style="list-style-type: none"><li>• Heavy-duty sealed XLR connector range for harsh and demanding environment.</li></ul> | <ul style="list-style-type: none"><li>• IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range</li></ul> |
| <ul style="list-style-type: none"><li>• High impact UV-resistant materials.</li></ul>  | <ul style="list-style-type: none"><li>• D-size housing provides installation compatibility with industry standard D mounting dimensions.</li></ul>                             |
| <ul style="list-style-type: none"><li>• Receptacle with duplex ground contact for excellent signal integrity.</li></ul>      | <ul style="list-style-type: none"><li>• Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities.</li></ul>                     |
| <ul style="list-style-type: none"><li>• Superior ruggedness compared to RJ45 type connectors.</li></ul>                      | <ul style="list-style-type: none"><li>• IEC 61984 certified</li></ul>  |

Technical Information

Product	
Title	NC10FDX-TOP
Connection type	XLR
Gender	Female

Electrical	
Contact resistance	$\leq 3\text{ m}\Omega$
Dielectric strength	1 kVdc
Insulation resistance	$> 10\text{ G}\Omega$ (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	
Insertion force	$\leq 20\text{ N}$
Withdrawal force	$\leq 20\text{ N}$
Lifetime	$> 1000$ mating cycles
Wiring	Solder contacts
Wiring Size	$<2.5\text{ mm}^2 / <1\text{ mm}^2$ (8 x 24 AWG + 2 x 16AWG)
Locking device	Latch lock
Mounting direction	Front mounting
Chassis shape	D

Material	
Contact plating	Au over Ni
Contacts	Brass
Insert	Polyamide
Locking element	Stainless steel
Gasket	TPE
Shell	Polyamide

Environmental	
Flammability acc. to UL94	V-0
Standard compliance	IEC 61076-2-103
Protection class according to IEC 60529	IP 65
Solderability acc. to	IEC 60068-2-20
Temperature range	-30 °C to +80 °C
Pollution degree acc. to IEC 60664-1	II