



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. 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. Maintains sealing when in use and when disconnected.
- High impact UV-resistant materials.
- D-size housing provides installation compatibility with industry standard D mounting dimensions.
- Receptacle with duplex ground contact for excellent signal integrity.
- 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	
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 electrical 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	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiring	Solder contacts
Wiring Size	<2.5 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

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