



NC3FX1-TOP

3 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/chassis 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 - True Outdoor Protection in consideration of UL50E

Technical Information

Product	
Title	NC3FX1-TOP
Connection Type	XLR
Gender	female

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Electrical	
Capacitance between contacts	≤ 4 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current per contact	16 A
Rated voltage	< 50 V

Mechanical	
Cable O.D.	5.0 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 5000 mating cycles
Wiresize (mm²)	max. 1.5 mm²
Wiresize (AWG)	max. 16 AWG
Wiring	Solder contacts
Locking device	Latch lock

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Material	
Bushing	UV-resistant rubber
Contact plating	Gold (Au) over Nickel (Ni)
Contacts	Bronze (CuSn8)
Insert	Polyamide (PA66)
Locking element	St3K32 (latch) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal
Sealing jacket	UV-resistant rubber

Environmental	
Flammability acc. to UL94	V0 (insert)
Standard compliance	IEC 61076-2-103
Protection class acc. to OEC 60529	IP 65 (mated)
Solderability standard	IEC 60068-2-20
Temperature range	-30 °C to +80 °C
Polltion degree acc. to IEC 60664-1	II

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