



NC3MX-TOP

3 pole male cable connector, TRUE OUTDOOR PROTECTION, gold contacts

The X-TOP series is a "heavy duty" XLR cable connector for outdoor use. IP65 rating and certified outdoor protection to UL 50E 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
- IP65 rating and certified outdoor protection to UL 50E (in combination with a TOP range counterpart)
- Uses high impact UV resistant materials

Technical Information

Product	
Title	NC3MX-TOP
Connection Type	XLR
Gender	male

Electrical	
Capacitance between contacts	$\leq 4 \text{ pF}$
Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	16 A
Rated voltage	$< 50 \text{ V}$

Mechanical	
Cable O.D.	5.0 - 8.0 mm
Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
Lifetime	> 5000 mating cycles
Wiresize	max. 1.5 mm ²
Wiresize	max. 16 AWG
Wiring	Solder contacts
Locking device	Latch lock

Material

Bushing	UV-resistant rubber
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA66)
Locking element	Stainless steel
Shell	Stainless steel
Strain relief	Polyacetal (POM)

Environmental

Approvals	UL
Flammability	UL 94 V-0
Standard compliance	IEC 61076-2-103
Protection class	IP65, UL50E enclosure type 4 (mated)
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C