



NC5MX-TOP

5 pole male cable connector, TRUE OUTDOOR PROTECTED (TOP), gold contacts

The X-TOP series is a "heavy-duty" XLR cable connector for outdoor use. Outdoor protected by mating with related cable or chassis connector of the XLR TOP range (IP65 and UL50E). Gold contacts are standard.

Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- Outdoor protection according to IP65 and UL50E (in combination with a TOP range counterpart)
- Uses high impact UV-resistant materials

Technical Information

Product	
Title	NC5MX-TOP
Connection Type	XLR
Gender	male

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	> 1000 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 (PA 6.6 30 % GR)
Locking element	Stainless steel
Shell	Stainless steel
Strain relief	Polyacetal (POM)

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