



# NC5MX1-TOP

5 pole male 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-Approved in consideration of UL50E

## Technical Information

| Product         |            |
|-----------------|------------|
| Title           | NC5MX1-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    | 7.5 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         | $> 1000$ mating cycles  |
| Wiresize         | max. $1.0 \text{ mm}^2$ |
| Wiresize         | max. 18 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |

| Material        |                            |
|-----------------|----------------------------|
| Bushing         | UV-resistant rubber        |
| Contact plating | Gold (Au) over Nickel (Ni) |
| Contacts        | Brass (CuZn39Pb3)          |
| Insert          | Polyamide (PA 66)          |
| Locking element | Stainless steel            |
| Shell           | Stainless steel            |
| Strain relief   | Polyacetal                 |

| 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 60068-2-20         |
| Temperature range   | -30 °C to +80 °C                     |