



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 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 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 68-2-20 |
| Temperature range | -30 °C to +80 °C |