



NC3FX-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. 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 | NC3FX-TOP |
| Connection Type | XLR |
| Gender | female |

| Electrical | |
|------------------------------|-----------------------------|
| Capacitance between contacts | ≤ 4 pF |
| Contact resistance | ≤ 3 m Ω |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 10 G Ω (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 | 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 | Bronze (CuSn8) |
| Insert | Polyamide (PA66) |
| Locking element | St3K32 (latch) / Ck 67 (spring) |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Nickel |
| Strain relief | Polyacetal (POM) |
| Sealing jacket | UV-resistant rubber |

| 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 |