



## NC5FX1-TOP-14

5 pole female cable connector for 8 mm - 10 mm cable O.D., 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 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           | NC5FX1-TOP-14 |
| Connection Type | XLR           |
| Gender          | female        |

| 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.       | 8.0 - 10.0mm            |
| 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 6.6 30 % GR)      |
| Locking element | St3K32 (latch) / Ck 67 (spring) |
| Shell           | Zinc diecast (ZnAl4Cu1)         |
| Shell plating   | Nickel                          |
| Strain relief   | Polyacetal                      |
| Sealing jacket  | UV-resistant rubber             |

| Environmental       |                                      |
|---------------------|--------------------------------------|
| Approvals           | UL                                   |
| Flammability        | UL 94 HB                             |
| 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                     |