



## NC5FX-TOP

\*DISCONTINUED.\* SEE NC5FX1-TOP

5 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 rated and TOP approved in consideration to UL50E 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 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range
- ✓ Uses high impact UV-resistant materials

## Technical Information

| Product         |           |
|-----------------|-----------|
| Title           | NC5FX-TOP |
| 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.       | 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 | 0.2 µm Au hard alloy over 2 µm 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 (POM)                  |
| Sealing jacket  | UV-resistant rubber               |

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