



NC10FX-TOP

8+2 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
- ✓ Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- ✓ IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range
- ✓ Superior ruggedness compared to RJ45 type connectors
- ✓ High impact UV resistant materials
- ✓ IEC 61984 certified

Technical Information

| Product | |
|-----------------|------------|
| Title | NC10FX-TOP |
| Connection Type | XLR |
| Gender | Female |

| Electrical | |
|----------------------------------|------------------------------------|
| Contact resistance | ≤ 3 mΩ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | > 10 GΩ (initial) |
| Number of electronical contacts | 8 + 2 |
| Rated current per contact | 16 A (power pins), 3 A (data pins) |
| Rated voltage | 50 V |
| Cable shield - shell connection: | choosable |
| Transmission performance | CAT 5e |

| Mechanical | |
|------------------|------------------------|
| Cable O.D. | 7.0 - 10.0 mm |
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | > 1000 mating cycles |
| Wiresize | <2.5 mm² /<1 mm² |
| | 8 x 24 AWG + 2 x 16AWG |
| Wiring | Solder contacts |
| Locking device | Latch lock |

| Material | |
|-----------------|---------------------------------|
| Bushing | UV-resistant rubber |
| Contact plating | Gold (Au) over Nickel (Ni) |
| Contacts | Brass |
| Insert | Polyamide |
| Locking element | St3K32 (latch) / Ck 67 (spring) |
| Shell | Zinc diecast |
| Shell plating | Nickel |
| Strain relief | Polyacetal |
| Sealing jacket | UV-resistant rubber |

| Environmental | |
|--------------------------------------|------------------|
| Flammability acc. to UL94 | V-0 (insert) |
| Standard compliance | IEC 61076-2-103 |
| Protection class acc. IEC 60529 | IP65 (mated) |
| Solderability acc. to | IEC 60068-2-20 |
| Temperature range | -30 °C to +80 °C |
| Pollution degree acc. to IEC 60664-1 | II |