



NC10FDX-TOP

8+2 pole female chassis connector, TRUE
OUTDOOR PROTECTION (TOP)

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

Gold contacts are standard.

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
- ✓ High impact UV-resistant materials.
- ✓ D-size housing provides installation compatibility with industry standard D mounting dimensions.
- ✓ Receptacle with duplex ground contact for excellent signal integrity.
- ✓ Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities.
- ✓ Superior ruggedness compared to RJ45 type connectors.
- ✓ IEC 61984 certified

Technical Information

| Product | |
|-----------------|-------------|
| Title | NC10FDX-TOP |
| Connection type | XLR |
| Gender | Female |

| Electrical | |
|---------------------------------|------------------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | $> 10 \text{ G}\Omega$ (initial) |
| Number of electrical 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 | |
|--------------------|---|
| Insertion force | $\leq 20 \text{ N}$ |
| Withdrawal force | $\leq 20 \text{ N}$ |
| Lifetime | > 1000 mating cycles |
| Wiring | Solder contacts |
| Wiring Size | $< 2.5 \text{ mm}^2 / < 1 \text{ mm}^2$ (8 x 24 AWG + 2 x 16AWG) |
| Locking device | Latch lock |
| Mounting direction | Front mounting |
| Chassis shape | D |

| Material | |
|-----------------|-----------------|
| Contact plating | Au over Ni |
| Contacts | Brass |
| Insert | Polyamide |
| Locking element | Stainless steel |
| Gasket | TPE |
| Shell | Polyamide |

| Environmental | |
|---|------------------|
| Flammability acc. to UL94 | V-0 |
| Standard compliance | IEC 61076-2-103 |
| Protection class according to IEC 60529 | IP 65 |
| Solderability acc. to | IEC 60068-2-20 |
| Temperature range | -30 °C to +80 °C |
| Pollution degree acc. to IEC 60664-1 | II |