



# NC3FXX-HD-B-D

Heavy duty female 3 pole XLR cable connector, black housing, for outdoor use.

## Features & Benefits

- ✓ Dust and water ingress sealing:
  - IP67 in combination with HD cable connector NC3MXX-HD\*
  - IP67 in combination with HD chassis connector NC3MPR-HD
- ✓ Rubber sealing jacket protects against water ingress and mechanical shock
- ✓ Gold contacts

## Technical Information

| Product         |               |
|-----------------|---------------|
| Title           | NC3FXX-HD-B-D |
| 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), $> 1 \text{ G}\Omega$ (after damp heat test) |
| Rated current per contact    | 16 A                                                                           |
| Rated voltage                | $< 50 \text{ V}$                                                               |

| Mechanical       |                         |
|------------------|-------------------------|
| Cable O.D.       | 6.0 - 8.0 mm            |
| Insertion force  | $\leq 20 \text{ N}$     |
| Withdrawal force | $\leq 20 \text{ N}$     |
| Lifetime         | $> 1000$ mating cycles  |
| Wiresize         | max. $2.5 \text{ mm}^2$ |
| Wiresize         | max. 14 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |

| Material        |                                          |
|-----------------|------------------------------------------|
| Boot            | Polyurethan                              |
| Contact plating | 0.2 µm Au hard alloy over 2 µm Ni        |
| Contacts        | Bronze (CuSn8)                           |
| Insert          | Polyamide (PA66)                         |
| Locking element | Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) |
| Shell           | Zinc diecast (ZnAl4Cu1)                  |
| Shell coating   | Black KTL                                |
| Strain relief   | Polyacetal (POM)                         |
| Sealing jacket  | EPDM                                     |

| Environmental       |                           |
|---------------------|---------------------------|
| Flammability        | UL 94 V-0                 |
| Standard compliance | IEC 61076-2-103           |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -30 °C to +80 °C          |