



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 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 |