



NC3MXX-B

3 pole male cable connector with black metal housing and gold contacts

The next generation of the worldwide accepted standard of XLR cable connectors. The successor of the X series offers several new features which make it more reliable, easier to assemble and improves contact integrity as well cable strain relief.

Features & Benefits

- ✓ Male connector with improved locking recess without "window", more stringent housing increases durability
- ✓ Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster
- ✓ Boot with polyurethane gland gives high protection to cable bending stresses
- ✓ Colored rings and boots available for coding or identification
- ✓ Sleek and ergonomic design - valuable and handy
- ✓ Rugged zinc diecast shell, longlasting and dependable
- ✓ Internal thread on shell is well protected against any damage

Technical Information

| Product | |
|-----------------|----------|
| Title | NC3MXX-B |
| Connection Type | XLR |
| Gender | male |

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. | 3.5 - 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 | Brass (CuZn39Pb3) |
| Insert | Polyamide (PA66) |
| Locking element | Zinc diecast (ZnAl4Cu1) |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell coating | Black KTL |
| Strain relief | Polyacetal (POM) |

| Environmental | |
|---------------------|---------------------------|
| Flammability | UL 94 V-0 |
| Standard compliance | IEC 61076-2-103 |
| Protection class | IP 40 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |