



# NC6MXX-BAG

6 pole male cable connector with black metal housing and silver 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           | NC6MXX-BAG |
| Connection Type | XLR        |
| Gender          | male       |

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 7 \text{ pF}$              |
| Contact resistance           | $\leq 3 \text{ m}\Omega$         |
| Dielectric strength          | 1,5 kVdc                         |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 7,5 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. $1.0 \text{ mm}^2$ |
| Wiresize         | max. 18 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |

| Material        |                            |
|-----------------|----------------------------|
| Boot            | Polyurethan                |
| Contact plating | 2 µm Ag over 2 µm Ni       |
| Contacts        | Brass (CuZn39Pb3)          |
| Insert          | Polyamide (PA 6.6 30 % GR) |
| Locking element | Zinc diecast (ZnAl4Cu1)    |
| Shell           | Zinc diecast (ZnAl4Cu1)    |
| Shell coating   | Black KTL                  |
| Strain relief   | Polyacetal (POM)           |

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