



## NC3MXX-50

3 pole male cable connector, 50<sup>th</sup> Anniversary  
Special Edition

To mark this milestone, we proudly present our 50th  
Anniversary Special Edition

Crafted with a unique dark grey conductive metal  
plating and the 50 years anniversary logo laser  
engraved, these connectors combine exceptional  
durability and elegance, while gold-plated contacts  
ensure superior performance and reliability.

## Features & Benefits

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

## Technical Information

| Product         |                 |
|-----------------|-----------------|
| Title           | NC3MXX-50       |
| Product family  | xlrCON          |
| Connection type | cable connector |
| Gender          | male            |

| Electrical                |                                  |
|---------------------------|----------------------------------|
| Capacity 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 Vac                           |

| Mechanical       |                         |
|------------------|-------------------------|
| Cable O.D.       | 3.5 - 8.0 mm            |
| Insertion force  | $\leq 20 \text{ N}$     |
| Withdrawal force | $\leq 20 \text{ N}$     |
| Lifetime         | min. 1000 mating cycles |
| Wiresize         | max. 2.5mm <sup>2</sup> |
| Wiresize         | max. 14 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |

| Material        |                                       |
|-----------------|---------------------------------------|
| Boot            | Polyurethan                           |
| Contact         | Brass (CuZn39Pb3)                     |
| Contact plating | 0.2 µm Au hard alloy over 2 µm Ni     |
| Insert          | Polyamide (PA66)                      |
| Shell           | Zinc diecast (ZnAl4Cu1)               |
| Shell plating   | 50 years Special Edition plating CuNi |
| 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          |