



NC3MXX-50

3 pole male cable connector, 50th 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

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• conductive metal plating | <ul style="list-style-type: none">• gold plated contacts |
| <ul style="list-style-type: none">• Male connector with improved locking recess without "window", more stringent housing increases durability | <ul style="list-style-type: none">• Boot with polyurethane gland gives high protection to cable bending stresses |
| <ul style="list-style-type: none">• Internal thread on shell is well protected against any damage | <ul style="list-style-type: none">• Sleek and ergonomic design - valuable and handy |
| <ul style="list-style-type: none">• Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster | <ul style="list-style-type: none">• Colored rings and boots available for coding or identification |
| <ul style="list-style-type: none">• 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 ² |
| 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 |