



## NC10MRX-14-B

Easy to assemble 8 + 2 pole right-angle male XLR cable connector, black chrome metal housing, secure locking and proven Neutrik chuck type strain relief

### Features & Benefits

- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- Superior ruggedness compared to RJ45 type connectors
- All metal housing offers best overall RF protection and electromagnetic shielding

**Technical Information**

| Product                |              |
|------------------------|--------------|
| <b>Title</b>           | NC10MRX-14-B |
| <b>Connection Type</b> | XLR          |
| <b>Gender</b>          | male         |

| Electrical                             |   |
|--|---|
| <b>Contact resistance</b>              | ≤ 3 mΩ  |
| <b>Dielectric strength</b>             | 1 kVdc  |
| <b>Insulation resistance</b>           | > 10 GΩ (initial), 0.1 (after damp heat test) |
| <b>Number of electrical contacts</b>   | 8 + 2   |
| <b>Rated current per contact</b>       | 16 A (power pins), 3 A (data pins)            |
| <b>Cable shield - shell connection</b> | choosable                                     |
| <b>Transmission performance</b>        | CAT 5e  |

| Mechanical              |   |
|-------------------------|---|
| <b>Cable O.D.</b>       | 8.0 - 10.0 mm   |
| <b>Insertion force</b>  | ≤ 20 N  |
| <b>Withdrawal force</b> | ≤ 20 N  |
| <b>Lifetime</b>         | > 1000 mating cycles  |
| <b>Wiresize</b>         | 2.5 mm <sup>2</sup> / AWG 14 (power pins), 1 mm <sup>2</sup> / AWG 18 (data pins) |

| Material               |                                   |
|------------------------|-----------------------------------|
| <b>Bushing</b>         | PA / PU                           |
| <b>Contact plating</b> | 0.2 μm Au hard alloy over 2 μm Ni |
| <b>Contacts</b>        | Brass (CuZn39Pb3)                 |
| <b>Insert</b>          | Polyamide (PA 6.6 30 % GR)        |
| <b>Locking element</b> | Zinc diecast (ZnAl4Cu1)           |
| <b>Shell</b>           | Zinc diecast (ZnAl4Cu1)           |
| <b>Shell plating</b>   | Black chromium                    |
| <b>Strain relief</b>   | POM                               |

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