



## NC10MXX-14-B

Easy to assemble 8 + 2 pole male XLR 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

|                 |              |
|-----------------|--------------|
| Title           | NC10MXX-14-B |
| Connection Type | XLR          |
| Gender          | male         |

#### Electrical

|                     |                          |
|---------------------|--------------------------|
| Contact resistance  | $\leq 3 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc                   |

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Insulation resistance           | > 10 GΩ , 0.1 (after damp heat test) |
| Number of electrical contacts   | 8 + 2                                |
| Rated current per contact       | 16 A (power pins), 3 A (data pins)   |
| Cable shield - shell connection | choosable                            |
| Transmission performance        | CAT 5e                               |

### Mechanical

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

### Material

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

### Environmental

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

### Accessories

#### HTXX-14



#### XXR-\*



#### XXCR

