



NC10FXX-14-B

Easy to assemble 8 + 2 pole female 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 | NC10FXX-14-B |
| Connection Type | XLR |
| Gender | female |

| Electrical | |
|---|--|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | $> 10 \text{ G}\Omega$ (initial); 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 | $\leq 20 \text{ N}$ |
| Withdrawal force | $\leq 20 \text{ N}$ |
| Lifetime | > 1000 mating cycles |
| Wiresize | 2.5 mm ² / AWG 14 (power pins), 1 mm ² / AWG 18 (data pins) |

| Material | |
|------------------------|---|
| Bushing | PA / PU |
| Contact plating | 0.2 μm Au hard alloy over 2 μm Ni |
| Contacts | Brass (CuZn39Pb3) |
| Insert | PA66 |
| Locking element | Zinc diecast (ZnAl4Cu1) |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Black chromium |
| Strain relief | POM |

| Environmental | |
|-------------------------------|---------------------------|
| Flammability | UL 94 V-0 |
| Protection class | IP 40 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |
| Manufacturing Standard | IEC 61076-2-103 |