



## NC10FRX-14-B

Easy to assemble 8 + 2 pole right-angle 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	NC10FRX-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 <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	PA66
Locking element	Zinc diecast (ZnAl4Cu1)
Locking element plating	Nickel
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black chromium
Split sleeve	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