



## 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	
<b>Title</b>	NC10FRX-14-B
<b>Connection Type</b>	XLR
<b>Gender</b>	female

Electrical	
<b>Contact resistance</b>	$\leq 3 \text{ m}\Omega$
<b>Dielectric strength</b>	1 kVdc
<b>Insulation resistance</b>	$> 10 \text{ G}\Omega$ (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>	$\leq 20 \text{ N}$
<b>Withdrawal force</b>	$\leq 20 \text{ N}$
<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>	PA66
<b>Locking element</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Black chromium
<b>Split sleeve</b>	POM

Environmental	
<b>Flammability</b>	UL 94 V-0
<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