



## 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 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)

<b>Material</b>	
<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

<b>Environmental</b>	
<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