



## NC10FD-LX-B

8 + 2 pole female D-size receptacle, black chrome metal housing, duplex ground contact

### Features & Benefits

- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- All metal housing offers best overall RF protection and electromagnetic shielding
- Receptacle with duplex ground contact for excellent signal integrity
- Superior ruggedness compared to RJ45 type connectors
- D-size housing provides installation compatibility with industry standard D mounting dimensions

**Technical Information**

Product	
<b>Title</b>	NC10FD-LX-B
<b>Type</b>	Chassis
<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); $0.1 \text{ G}\Omega$ (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>Rated voltage</b>	$< 50 \text{ V}$
<b>Cable shield - shell connection</b>	choosable
<b>Transmission performance</b>	CAT 5e

Mechanical	
<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>Contact plating</b>	0.2 $\mu\text{m}$ Au hard alloy over 2 $\mu\text{m}$ Ni
<b>Contacts</b>	Brass (CuZn39Pb3)
<b>Insert</b>	Polyamide (PA 6.6 30 % GR)
<b>Locking element</b>	Steel Ck67
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Black chromium

Environmental	
<b>Flammability</b>	UL 94 HB
<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