



## NL2FX

2 pole cable connector, chuck type strain relief

The industry-standard for loudspeaker connections offer extremely reliable and robust cable connectors with a reliable locking system. They feature solid contacts with screw-type terminals including a stranded wire protection which offer also solder termination.

### Features & Benefits

- Current rating 40 A continuous, 50 A audio signal with 50% duty cycle
- High impact materials – long-lasting and reliable
- 1 piece strain relief, chuck for 6 to 10 mm cable O.D.
- Mates with 4-pole chassis connector as well and makes contact with +1/-1
- Suitable for IEC62368-1 compliant devices
- Only 3 parts, easy to assemble
- Easy and extremely precise locking system "Quick Lock"
- Improved grip on latch
- Certified according to IEC61984

## Technical Information

Product	
<b>Title</b>	NL2FX
<b>Connection Type</b>	speakON
<b>Gender</b>	female

Electrical	
<b>Contact resistance</b>	< 2 mΩ (after lifetime)
<b>Dielectric strength</b>	4 kVdc (peak)
<b>Insulation resistance</b>	> 1 GΩ (after dampheat)
<b>Rated current per contact</b>	40 A rms continuous
<b>Rated current per contact</b>	50 A audiosignal, duty cycle 50 %
<b>Rated voltage</b>	250 V ac
<b>Attention</b>	speakON is not to be used as an AC mains or power supply connector!

Mechanical	
<b>Cable O.D.</b>	6 - 10 mm
<b>Cable retention</b>	≥ 220 N (subject to cable O.D. and material)
<b>Lifetime</b>	> 5000 mating cycles
<b>Wiresize</b>	1.5 - 4 mm <sup>2</sup>
<b>Wiresize</b>	16 - 12 AWG
<b>Wiring</b>	screw type terminals or soldering
<b>Locking device</b>	Quick Lock (latch)

Material	
<b>Contact plating</b>	4 µm Ag
<b>Contacts</b>	Brass (CuZn39Pb3)
<b>Insert</b>	Polyamide (PA 66)
<b>Locking element</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell</b>	PBTP 20 % GR
<b>Strain relief</b>	Polyacetal (POM)

Environmental	
<b>Flammability</b>	UL 94 V-0
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C