



## 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          |