



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 | |
|------------------------|---------|
| Title | NL2FX |
| Connection Type | speakON |
| Gender | female |

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

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

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

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