

# NLT8FX

8-pole female cable connector, Nickel housing, chuck type strain relief

The speakON STX Series was especially designed for heavy duty amplifier-loudspeaker applications like professional touring. The extremely rugged and durable STX Series features an all metal housing.

## Features & Benefits

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- Current rating 40 A continuous, 50 A audio signal with 50% duty cycle
- Robust and durable all metal housing
- Reinforced metal quick lock system for ease and precise locking
- Extra large solder contacts for up to 6mm<sup>2</sup> (AWG10) wires
- Mate with all available speakON products



## Technical Information

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### Product

|                 |         |
|-----------------|---------|
| Title           | NLT8FX  |
| Connection Type | speakON |
| Gender          | female  |

### Electrical

|                           |                                   |
|---------------------------|-----------------------------------|
| Contact resistance        | < 2 mΩ (inner) (after lifetime)   |
| Dielectric strength       | 4 kVdc (peak)                     |
| Insulation resistance     | > 10 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 (Insulation)  |
| Attention     | speakON is NOT to be used as an AC mains or power supply connector! |

### Mechanical

|                 |  |
|-----------------|--|
| Cable O.D.      | 8 - 20 mm                                    |
| Cable retention | ≥ 220 N (subject to cable O.D. and material) |
| Lifetime        | > 5000 mating cycles                         |
| Wiresize        | 6 mm <sup>2</sup>                            |
| Wiresize        | 10 AWG                                       |
| Wiring          | Solder contacts                              |
| Locking device  | Quick Lock (latch)                           |

### Material

|                 |                          |
|-----------------|--------------------------|
| Contact plating | 4 μm Ag                  |
| Contacts        | Brass (CuZn39Pb3)        |
| Insert          | Polyamide (PA 6 30 % GR) |
| Locking element | Zinc diecast (ZnAl4Cu1)  |
| Shell           | Zinc diecast (ZnAl4Cu1)  |
| Strain relief   | Polyacetal (POM)         |

### Environmental

|                   |                           |
|-------------------|---------------------------|
| Flammability      | UL 94 HB                  |
| Protection class  | IP 52 (mated condition)   |
| Solderability     | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C          |