

# Loudspeaker Connectors



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## Introduction

The Neutrik® Speakon® Series, in the Pro Audio industry often called "The loudspeaker connector", became the state of the art for speaker and amplifier connections.

Invented by Neutrik® as a result of various customer requests, the first Speakon® had been introduced in 1987. The pro audio market realized very quickly the advantages of this completely new connection system. The design has been optimized for loudspeaker applications with an outstanding cost-performance ratio.

As market leader for speaker connections we are proud to offer an all-embracing product line for the specific needs of this market today. Latest designs as the STX series or the Speakon® Combo also meet the demands of niche applications or extremely rough conditions and complete the product range.

## Integrated Design

Neutrik's aim to be distinctively recognizable is realized by the technological head start on the one hand as well as both patent and trademark protection on the other hand. To draw a clear line between Neutrik® and competition products we give our customer the possibility to easily identify the original.



Therefore all of our new products as the SPX and the STX series are designed according the protected integrated design. (EU-Pat.: DM/057 379, US-Pat. Pending, CHINA-Pat.: 0230519 2.2/193.0/194.9/195.7)



## Features & Benefits

Today's Speakon® series is a result of a continuous product improvement process. The principal idea has been kept and optimized with material and design modifications over the years.

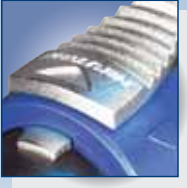
A traditional Speakon® stands for:

- Reliable and robust, easy and fast to assemble
- 2, 4 and 8-pole cable and chassis connectors in various versions
- Optimal "Quick Lock" system for speaker applications
- Neutrik® proven and unique chuck type cable strain relief
- Outstanding cost-performance ratio
- De-facto standard
- Meets all Worldwide Safety requirements (IEC, UL, ...)

Beyond that, the latest designs as the SPX and STX series offer:

- Up to 50 Amps current rating
- Only 3 parts with 1 piece strain relief design for even easier assembly
- Convertable right-angle version
- Weatherproof and extremely robust all metal design
- Complete system, 4 pole female chassis and male cable connector

Q u a l i t y   T h i n k i n g



## Speakon® SPX Series 4 Pole Cable Connector



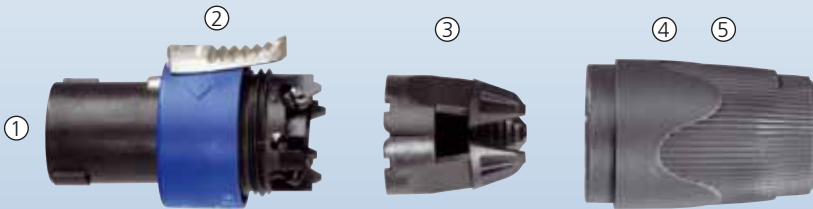
NL4FX



NL4FRX

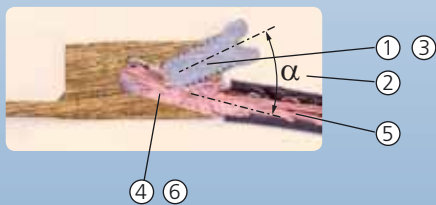
### Features

- Up to 50 A current rating
- Only 3 parts, easy to assemble
- High Impact Materials



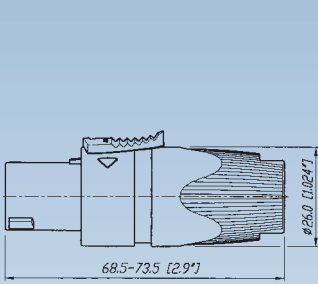
- ① Easy and extremely precise locking system "Quick Lock"
- ② Improved grip on latch
- ③ 1 piece strain relief, chuck for 6 to 14.5 mm cable O.D.
- ④ Color coding possible
- ⑤ Integrated design guaranties "Made by Neutrik®"

### Improved SPX-Series screw contacts! (Wire position after assembly.)

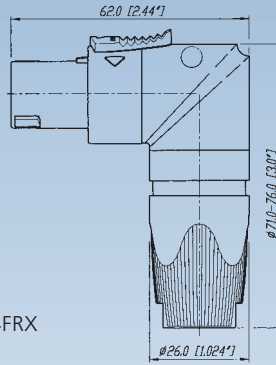


- ① Progressive clamping as wire is pushed forward
- ② Acts as screw locking device due to side forces
- ③ Large combi drive - M4 screw
- ④ Wire size 1.5 - 4 mm<sup>2</sup> (AWG 12) for 6 mm<sup>2</sup> (AWG 10) remove screw & solder
- ⑤ Pull out force > 300 N @ 80 cNm
- ⑥ Gas tight connection

- Quality Design



NL4FX



NL4FRX

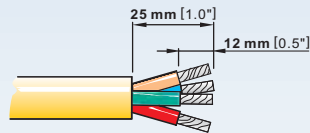
## Design Criteria

This second generation of Speakon® connectors features higher current rating for the operation of high power speakers and amplifiers carrying more than 1000 Watts. Only 3 parts make it fast and easy to assemble with a more reliable

performance. Our unique design makes it possible to change easily and quickly from a straight connector to the right-angle version, even without disconnecting the cable.

## Assembly

Prepare cable as shown.



### HINT:

For easy wiring especially on big cables, first screw on the inner contacts 1+ and 2+ and afterwards the outer contacts 1- and 2- !  
Use screwdriver Pozidrive #1 only.



## Ordering Information

|         |  |
|---------|--|
| NL4FX   | Cable Connector with chuck and bushing             |
| NL4FX-2 | Cable Connector with chuck and red bushing         |
| NL4FX-4 | Cable Connector with chuck and yellow bushing      |
| NL4FX-5 | Cable Connector with chuck and green bushing       |
| NL4FX-9 | Cable Connector with chuck and white bushing       |
| NL4FRX  | Right-angle Cable Connector with chuck and bushing |

## Assessories



LCR-\*



LRX

|       |  |
|-------|--|
| LCR-* | Coloured coding rings for the right-angle version of the SPX Series. Available in blue (Standard), white, red, green and yellow.               |
| LRX   | Right-angle Speakon® Conversion Kit for changing the straight connector into a right-angel version without removing the cable from the insert. |



## Speakon® FC Cable Connector Series



NL2FC



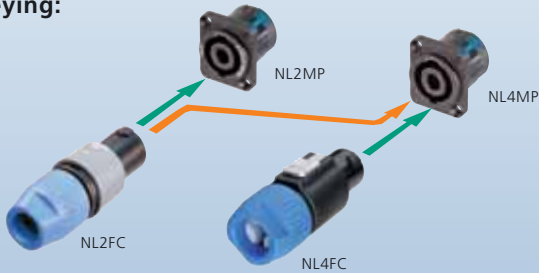
NL4FC



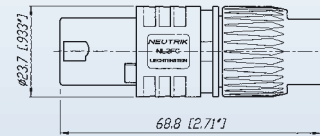
NL8FC

- Up to 30 A rms current rating
- Glass reinforced materials for housing and inserts
- Unique Neutrik® chuck type strain relief
- Precise keyway for secure mating
- Accurate twist lock latching system

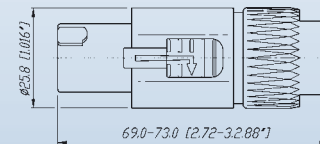
### Keying:



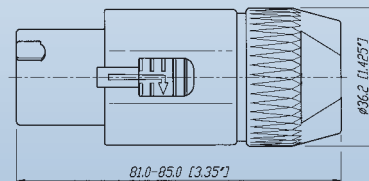
NL2FC



NL4FC



NL8FC



## Ordering Information

|       |   |
|-------|---|
| NL2FC | 2 pole Cable Connector with locking ring, integrated cable clamp, intermates with 4-pole chassis connector and makes contact with +1/-1 |
| NL4FC | 4 pole Cable Connector with latch lock  |
| NL8FC | 8 pole Cable Connector with latch lock  |

t o i d e n t i f y t h e o r i g i n a l



## Speakon® Adapter



NA4LJ



NL4MMX



NL8MM

### NL4MMX

Features permanent secure connection on a Speakon® cable connector using 2<sup>nd</sup> lock.



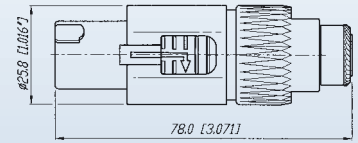
Secure Lock!

### NL4MMX + NL4FX (locked on the cable)

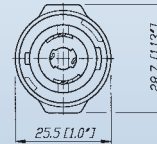
Changes gender to male when permanently locked on the cable.



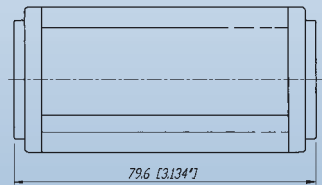
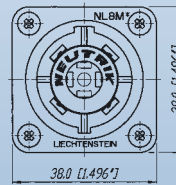
### NA4LJ



### NL4MMX

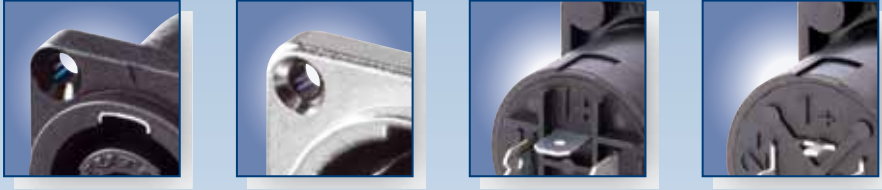


### NL8MM



## Ordering Information

|        |   |
|--------|---|
| NA4LJ  | Adapter from Speakon® Cable Connector to 2 pole 1/4" Jack, wiring: +1 to TIP and -1 to SLEEVE |
| NL4MMX | 4 pole lockable coupler to extend two 4-pole cables   |
| NL8MM  | 8 pole coupler to extend two 8-pole cables  |



## Speakon® Chassis Connector



NL2MP



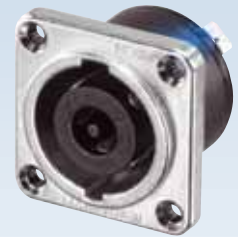
NL4MD-H-1



NL4MD-H-3



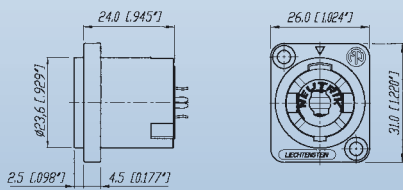
NL4MPR



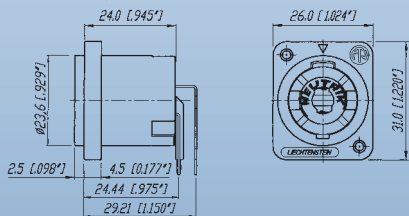
NL8MPR

- Standard version up to 30 A rms, ultra high current version up to 50 A audio current
- Glass reinforced materials
- Precise keyway for secure mating
- Accurate twist lock latching system
- Metal front plate (8-pole) or metal insert in locking area (2 & 4-pole)
- Various mounting and wiring possibilities
- " Air tight design ", optimized for speaker applications
- D or G panel cutouts to be easily mounted on audio industry standard panels

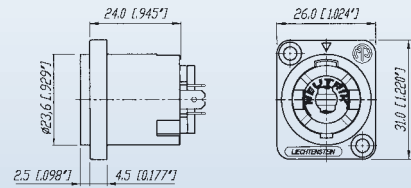
NL4MD-V



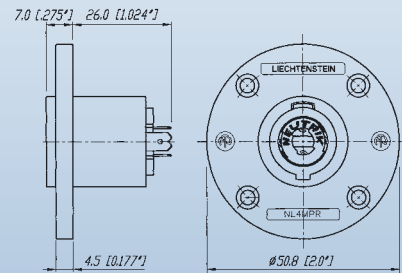
NL4MD-H



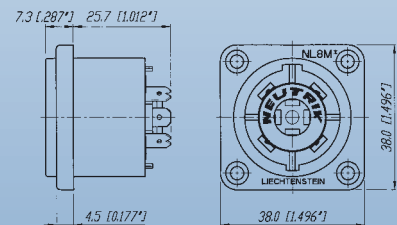
NL4MP



NL4MPR



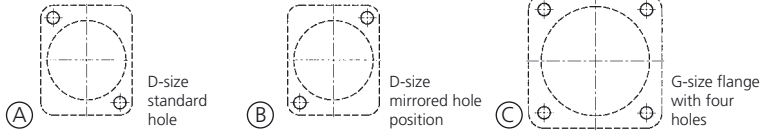
NL8MPR



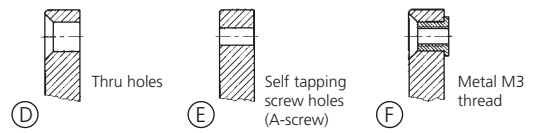
- Quality Design

## Ordering Information

Flange layout:



Hole layout:



|             | Pole | Flange size          | Flange layout | Hole layout | Color        | Wiring           | Remarks  |
|-------------|------|----------------------|---------------|-------------|--------------|------------------|--|
| NL2MP       | 2    | D-size               | A             | D           | black        | 3/16" flat tabs* | Does not intermate with 4-pole cable connector |
| NL2MD-H     | 2    | D-size               | A             | D           | black        | horizontal PCB   | Does not intermate with 4-pole cable connector |
| NL2MD-V     | 2    | D-size               | A             | D           | black        | vertical PCB     | Does not intermate with 4-pole cable connector |
| NL4MP       | 4    | D-size               | A             | D           | black        | 3/16" flat tabs* |  |
| NL4MP-1     | 4    | D-size               | A             | E           | grey         | 3/16" flat tabs* |  |
| NL4MP-2     | 4    | D-size               | B             | E           | black        | 3/16" flat tabs* |  |
| NL4MP-3     | 4    | D-size               | A             | E           | black        | 3/16" flat tabs* |  |
| NL4MP-M3    | 4    | D-size               | A             | F           | black        | 3/16" flat tabs* |  |
| NL4MD-H     | 4    | D-size               | A             | E           | grey         | horizontal PCB   |  |
| NL4MD-H-1   | 4    | D-size               | A             | D           | black        | horizontal PCB   |  |
| NL4MD-H-2   | 4    | D-size               | B             | E           | black        | horizontal PCB   |  |
| NL4MD-H-3   | 4    | D-size               | A             | E           | black        | horizontal PCB   |  |
| NL4MD-V     | 4    | D-size               | A             | D           | black        | vertical PCB     |  |
| NL4MD-V-1   | 4    | D-size               | A             | E           | grey         | vertical PCB     |  |
| NL4MD-V-2   | 4    | D-size               | B             | E           | black        | vertical PCB     |  |
| NL4MP-ST    | 4    | D-size               | A             | D           | black        | screw terminal   |  |
| NL4MP-UC    | 4    | D-size               | A             | D           | black        | 1/4" flat tabs*  | Ultra high current, up to 40 A rms             |
| NL4MPR      | 4    | round G-size flange  | C             | D           | black        | 3/16" flat tabs* |  |
| NL8MD-V     | 8    | square G-size flange | C             | D           | Ni           | vertical PCB     |  |
| NL8MD-V-BAG | 8    | square G-size flange | C             | D           | black chrome | vertical PCB     |  |
| NL8MD-V-1   | 8    | square G-size flange | C             | E           | Ni           | vertical PCB     |  |
| NL8MPR      | 8    | square G-size flange | C             | D           | Ni           | 3/16" flat tabs* |  |
| NL8MPR-BAG  | 8    | square G-size flange | C             | D           | black chrome | 3/16" flat tabs* |  |
| NLT4MP      | 4    | square G-size flange | C             | D           | nickel       | 1/4" flat tabs*  |  |
| NLT4MP-BAG  | 4    | square G-size flange | C             | D           | black chrome | 1/4" flat tabs*  |  |
| NLT4MD-V    | 4    | square G-size flange | C             | E           | nickel       | vertical PCB     |  |
| NLT4FP      | 4    | square G-size flange | C             | D           | nickel       | solder contacts  |  |
| NLT4FP-BAG  | 4    | square G-size flange | C             | D           | black chrome | solder contacts  |  |
| NLT8MP      | 8    | square G-size flange | C             | D           | nickel       | 1/4" flat tabs*  |  |
| NLT8MP-BAG  | 8    | square G-size flange | C             | D           | black chrome | 1/4" flat tabs*  |  |

\*: flat tabs to be used with FASTON® connectors or to solder the wire (FASTON® is a trademark of AMP Inc.)

## Assessories



NLFASTON



A-Screw-1-8



SCL



SCDF

|             |  |
|-------------|--|
| NLFASTON    | FASTON® receptacle for tabs with "positiv lock" for use with NL4MP, NL4MPR, NL8MPR, Pack of 100 pcs. |
| A-Screw-1-8 | Black self tapping PLASTITE® screw 2.9 x 8 for rear panel mount                                      |
| SCL         | Plastic sealing cover to protect the connectors against dust and moisture                            |
| SCDF        | Rubber sealing cover to protect the connectors against dust and moisture                             |





## Speakon® Combo



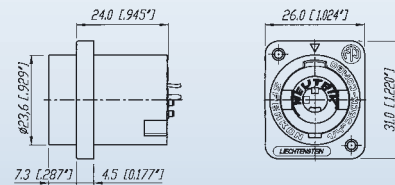
NLJ2MD-V



Combines a Speakon® and 1/4" Phone Jack - one for two

- D-size flange
- Compatible PCB layout and panel mount to NL4MD-V-1 (NL4MD-H)
- Cost saving - combines two connectors in one housing
- Mates with all 2, 4-pole Speakon® and 1/4" Phone Plugs
- PA-wiring: 1+ is connected to TIP, 1- to the SLEEVE

NLJ2MD-V



## Ordering Information

|          |  |
|----------|--|
| NLJ2MD-V | 2 pole Chassis Connector, vertical PCB version   |
| NLJ2MD-H | 2 pole Chassis Connector, horizontal PCB version |

## Assessories

|             |   |
|-------------|---|
| A-Screw-1-8 | Black self tapping Plastite® screw 2.9 x 8 for rear panel mount           |
| SCL         | Plastic sealing cover to protect the connectors against dust and moisture |



## Speakon® STX Series Cable Connectors



NLT4FX-BAG



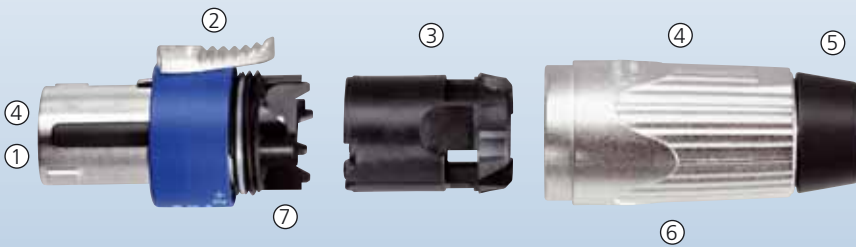
NLT4MX



NLT8FX

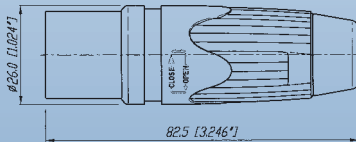
## Features

- Up to 50 A current rating
- Only 3 parts, easy to assemble
- All metal housing
- IP 54 sealing gasket

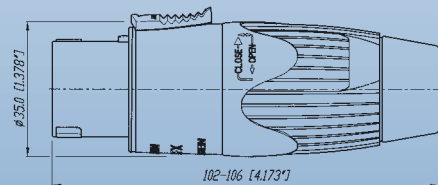


- ① Easy and extremely precise locking system "Quick Look", reinforced with metal
- ② Improved grip on latch
- ③ 1 piece strain relief, chuck for cables from 9 to 16 mm O.D.
- ④ Extreme rugged "Touring Approved"
- ⑤ Rubber sealing boot
- ⑥ Integrated Design guarantees "Made by Neutrik®"
- ⑦ X-large solder contacts for up to 6 mm<sup>2</sup> (AWG 10) wires

NLT4FX



NLT8FX



Look for the Logo





## Speakon® STX Series Chassis Connectors



NLT4FP-BAG



NLT4MP



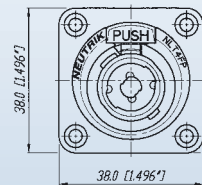
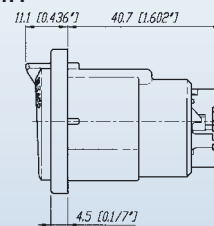
NLT4MD-V



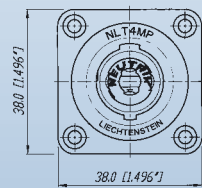
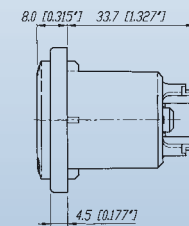
NLT8MP-BAG

- Extremely robust metal housing designed for harsh and demanding environment
- Weatherproof design features sealing gaskets
- 4 type range - also male cable connector and female receptacle on 4-pole version
- All-metal housing makes the STX Series rugged and durable
- Weatherproof built-in gasket meets IP 54 protection class (4 pole)
- Ideal product for touring applications and harsh environments
- Best electrical performance up to 50 Amps audio current
- Uses precise "Quick Lock" system
- Mates with all currently available Speakon® products

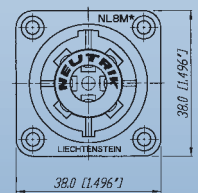
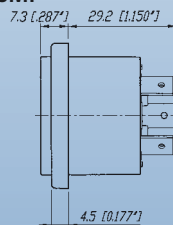
**NLT4FP**



**NLT4MP**



**NLT8MP**



t o i d e n t i f y t h e o r i g i n a l

## Design Criteria

The new Speakon® STX Series is the next generation of 4 & 8 pole Speakon® connectors especially designed for loudspeaker - amplifier applications in harsh and demanding environment such as professional touring. The STX Series features a metal housing which is extremely

rugged and durable; built-in gaskets make it weatherproof. This new series offers beside the female cable connector and male receptacle now also a 4 pole male cable and female chassis connector.

## Ordering Information

### Cable Connectors

|            |  |
|------------|--|
| NLT4FX     | 4 pole female cable connector, nickel metal housing, chuck and bushing       |
| NLT4FX-BAG | 4 pole female cable connector, black-chrome metal housing, chuck and bushing |
| NLT4MX     | 4 pole male cable connector, nickel metal housing, chuck and bushing         |
| NLT4MX-BAG | 4 pole male cable connector, black-chrome metal housing, chuck and bushing   |
| NLT8FX     | 8 pole female cable connector, nickel metal housing, chuck and bushing       |
| NLT8FX-BAG | 8 pole female cable connector, black-chrome metal housing, chuck and bushing |

### Receptacles

|            |  |
|------------|--|
| NLT4FP     | 4 pole female chassis connector, nickel metal housing, solder contacts       |
| NLT4FP-BAG | 4 pole female chassis connector, black-chrome metal housing, solder contacts |
| NLT4MP     | 4 pole male chassis connector, nickel metal housing, 1/4" flat tabs*         |
| NLT4MP-BAG | 4 pole male chassis connector, black-chrome metal housing, 1/4" flat tabs*   |
| NLT4MD-V   | 4 pole male chassis connector, nickel metal housing, PCB contacts            |
| NLT8MP     | 8 pole male chassis connector, nickel metal housing, 1/4" flat tabs*         |
| NLT8MP-BAG | 8 pole male chassis connector, black-chrome metal housing, 1/4" flat tabs*   |

\*: flat tabs to be used with FASTON® connectors or to solder the wire (FASTON® is a trademark of AMP Inc.)

## Assessories



SCNLT



Example: SCNLT + NL4MP



SCL



A-Screw-1-8

|             |  |
|-------------|--|
| SCNLT       | Gasket for NLT4MP<br>(To make a cabinet with an Amphenol EP cutout airtight, the rubber scaling covers the entire hole.) |
| SCL         | Plastic sealing cover to protect the connectors against dust and moisture  |
| A-Screw-1-8 | Black self tapping Plastite® screw 2.9 x 8 for rear panel mount  |

# Technical Data

| Specification                         |  | SPX<br>Series<br>Cable Con. | STX<br>Series<br>Cable Con. | Speakon®<br>FC<br>Cable Con. | Speakon®<br>Chassis +<br>Combo | Adapter | STX<br>Series<br>Chassis |
|---------------------------------------|--|-----------------------------|-----------------------------|------------------------------|--------------------------------|---------|--------------------------|
| <b>Electrical</b>                     |  |                             |                             |                              |                                |         |                          |
| Number of contacts:                   |  | 4                           | 4 + 8                       | 2, 4, 8                      | 2, 4, 8                        | 2, 4, 8 | 4 + 8                    |
| Rated current per contact:            | 40 A rms continuous                        | ●                           | ●                           | 30 A                         | 30 A                           | 20 A    | ●                        |
|                                       | 50 A audiosignal, duty cycle 50%           | ●                           | ●                           | 40 A                         | 40 A                           | 30 A    | ●                        |
| Combo:                                | 15 A rms continuous                        | -                           | -                           | -                            | ●                              | -       | -                        |
| Rated insulation voltage:             | 250 V ac                                   | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Contact resistance after lifetime:    | < 2 mΩ                                     | ●                           | ●                           | ≤ 3                          | ≤ 3                            | ≤ 3     | ●                        |
| Insulation resistance after dampheat: | > 1 GΩ                                     | ●                           | > 10 GΩ                     | ●                            | ●                              | ●       | > 10 GΩ                  |
| Dielectric strength:                  | 4 kV peak                                  | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
|                                       | 1/4" Jack: 1.5 kV peak                     | -                           | -                           | -                            | -                              | ●       | -                        |
| <b>Mechanical</b>                     |  |                             |                             |                              |                                |         |                          |
| Locking System:                       | Quick lock (latch)                         | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Life time (mating cycles):            | > 5'000                                    | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Cable O.D. range:                     | mm   | 7 - 14.5                    | 9 - 16                      | 6 - 10 (2 Pole)              | -                              | -       | -                        |
|                                       |  |                             |                             | 5 - 15 (4 Pole)              | -                              | -       | -                        |
|                                       |  |                             |                             | 8 - 20 (8 Pole)              | -                              | -       | -                        |
| Wiring:                               | screw type terminals                       | 4 mm² (AWG 12)              | -                           | 4 mm² (AWG 12)               | ● (ST)                         | -       | -                        |
|                                       | soldering                                  | 6 mm² (AWG 10)              | 6 mm² (AWG 10)              | 4 mm² (AWG 12)               | ●                              | -       | ●                        |
|                                       | flat tabs for 3/16" FASTON® (4.8 x 0.5 mm) | -                           | -                           | -                            | ●                              | -       | -                        |
|                                       | flat tabs for 1/4" FASTON® (6.3 x 0.8 mm)  | -                           | -                           | -                            | ● (UC)                         | -       | ●                        |
|                                       | PCB-version                                | -                           | -                           | -                            | ●                              | ●       | ●                        |
| Insertion / withdrawal force:         | Combo Jack: ≤ 20 N / > 10 N                | -                           | -                           | -                            | -                              | ●       | -                        |
| Cable retention force:                | ≥ 220 N*                                   | ●                           | ●                           | ●                            | -                              | -       | -                        |
| Solderability:                        | complies with IEC 68-2-20                  | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
|                                       | *: subject to cable O.D. and material      |                             |                             |                              |                                |         |                          |
| <b>Material</b>                       |  |                             |                             |                              |                                |         |                          |
| Housing:                              | Polyamide PA 6 30% GR                      | -                           | -                           | ●                            | ●                              | ●       | -                        |
|                                       | PBTP 20% GR                                | ●                           | -                           | -                            | -                              | -       | -                        |
|                                       | Zinc diecast (ZnAlCu1)                     | -                           | ●                           | -                            | -                              | -       | ●                        |
| Insert:                               | Polyamide PA 6 30% GR                      | -                           | ●                           | -                            | -                              | ●       | ●                        |
|                                       | PBTP 20% GR                                | ●                           | -                           | ●                            | -                              | -       | -                        |
| Contacts:                             | Brass (CuZn39Pb3)                          | ●                           | ●                           | ●                            | -                              | -       | -                        |
|                                       | Brass (CuSn6)                              | -                           | -                           | -                            | ●                              | ●       | -                        |
|                                       | Spring copper                              | -                           | ●                           | -                            | ● (UC)                         | -       | ●                        |
| Contact plating:                      | 4 μm Ag                                    | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Locking Element:                      | Zinc diecast (ZnAl4Cu1)                    | ●                           | ●                           | ●                            | -                              | -       | ● (FP)                   |
| Chuck:                                | Polyacetal (POM)                           | ●                           | ●                           | ●                            | -                              | -       | -                        |
| Bushing:                              | Polyamide (PA 6 15% GR)                    | ●                           | ●                           | ●                            | -                              | -       | -                        |
| <b>Environment</b>                    |  |                             |                             |                              |                                |         |                          |
| Temperature range:                    | -30°C to +80°C                             | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Protection class:                     | IP 54 (mated condition)                    | -                           | ●                           | -                            | -                              | -       | ●                        |
|                                       | IP 52 (8-pole, mated cond.)                | -                           | ●                           | -                            | -                              | -       | ●                        |
| Flammability:                         | UL94HB                                     | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Safety Requirements:                  | EN/IEC 61984                               | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |
| Approvals:                            | UL-Recognized, CSA listed                  | ●                           | ●                           | ●                            | ●                              | ●       | ●                        |

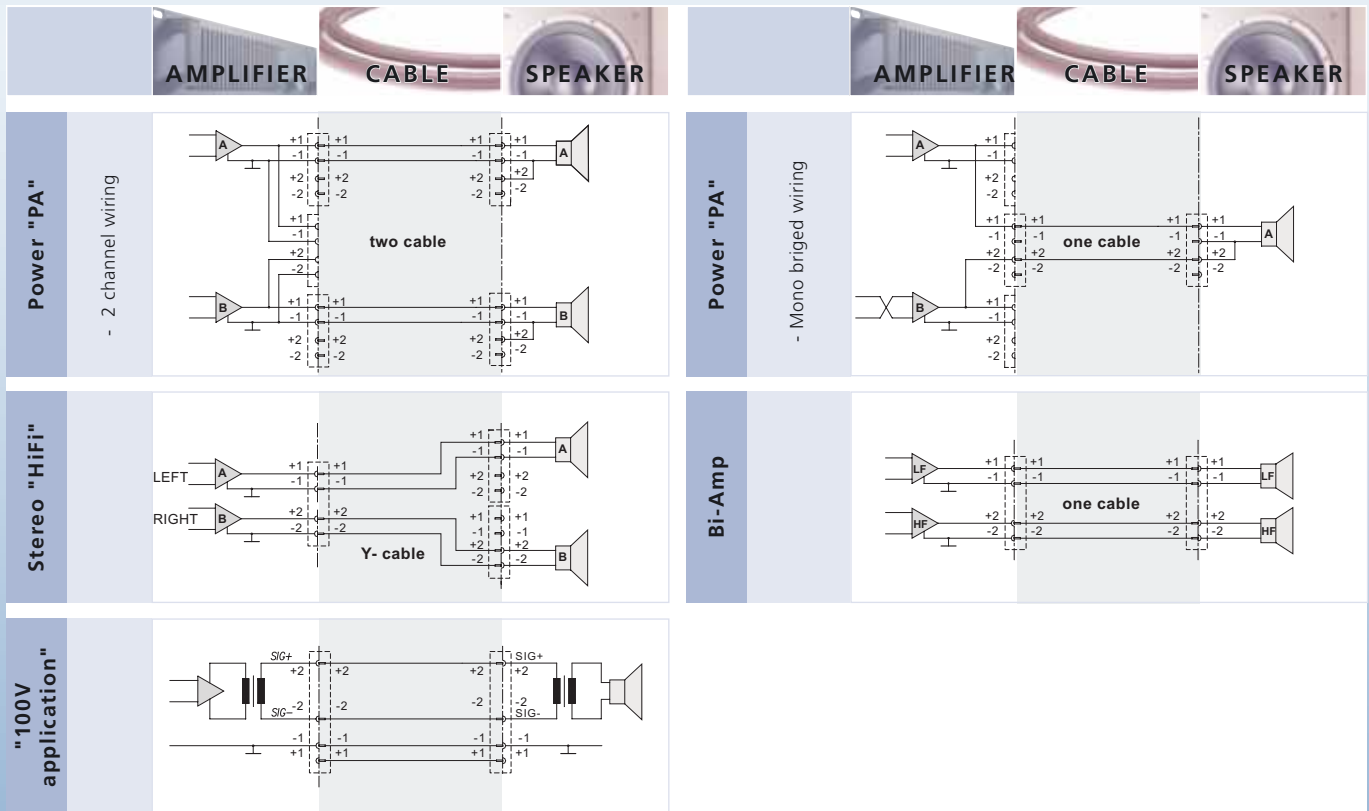
- Quality Design

## Wiring Suggestion

Positive signal on speaker pin "+" produces positive waveform from driver (moves cone outwardly)

"+" = In phase (high) "-" = Ground (out of phase, low)  
Lower numbers for lower frequencies.

|                              | AMPLIFIER   | CABLE   | SPEAKER   |
|------------------------------|---|---|---|
| <b>Stereo ("HiFi")</b>       | one NL4MP socket<br>left channel pins 1+/1-<br>right channel pins 2+/2-   | NL4FC on amplifier end, four conductor cable splits into two pairs with NL4FX on each end | one NL4MP per speaker<br>left speaker pins 1+/1-<br>right speaker pins 2+/2-  |
| <b>POWER ("PA") Standard</b> | three NL4MP sockets<br>"A" socket:<br>left channel pins 1+/1-<br>"B" socket:<br>right channel pins 1+/1-                                    | a two-conductor cable for each channel with NL4FX on both ends                            | NL4MP pins 1+ to speaker coil "+"<br>NL4MP pins 1- and 2+ to speaker coil "-"   |
| <b>Bridged mono</b>          | "M" socket:<br>left channel pins 1+/1-<br>right channel pins 2+/2-  | a special two-conductor cable, on both ends wired to pin 1+/2+ of NL4FX                   | NL4MP pin 1+ to speaker coil "+"<br>NL4MP pins 1- and 2+ to speaker coil "-"  |
| <b>Bi-Amp</b>                | one NL4MP socket<br>low frequency pins 1+/1-<br>high frequency pins 2+/2-   | a four-conductor cable on both ends wired to pins 1+/1-, 2+/2- of NL4FX                   | one NL4MP socket<br>low frequency pins 1+/1-<br>high frequency pins 2+/2-   |
| <b>4 Way System</b>          | one NL8MPR socket<br>low frequency pins 1+/1-<br>low mid frequency pins 2+/2-<br>high mid frequency pins 3+/3-<br>high frequency pins 4+/4- | an eight-conductor cable wired on both ends to pins 1+/1-, 2+/2-, 3+/3-, 4+/4- of NL8FC   | one NL8MPR socket<br>low frequency pins 1+/1-<br>low mid frequency pins 2+/2-<br>high mid frequency pins 3+/3-<br>high frequency pins 4+/4- |





## Profi® RCA Series

## Phono Socket



NF2C-B-2



NF2D-4



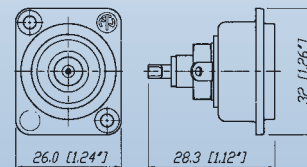
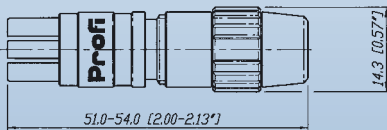
NF2D-B-6

- Makes ground before signal contact and breaks signal before ground
- No more disturbing noise and broken speaker cones
- Precisely machined to our demanding quality standards
- Neutrik® unique chuck type strain relief
- Gold plated contacts

- Makes ground before signal contact and breaks signal before ground
- No more disturbing noise and broken speaker cones
- Precisely machined to our demanding quality standards
- Gold plated contacts

NF2C

NF2D-\*



\* available in 9 colours see page 58

| Specification               |                                   | Profi®    | Phono Socket |
|-----------------------------|-----------------------------------|-----------|--------------|
| <b>Electrical</b>           |                                   |           |              |
| Rated current per contact:  | 16 A rms continuous               | ●         | ●            |
| Rated insulation voltage:   | 50 V ac                           | ●         | ●            |
| Contact resistance:         |                                   | > 100 GΩ  | < 5 GΩ       |
| Dielectric strength:        |                                   | 1500 V dc | 500 V dc     |
| Capacitance (pin to shell): | 7 pf                              | ●         | -            |
| <b>Mechanical</b>           |                                   |           |              |
| Life time (mating cycles):  | > 5000                            | ●         | ●            |
| Cable O.D. range:           | 3.0 - 7.3 mm                      | ●         | -            |
| Wiring:                     | soldering                         | ●         | ●            |
| Max. wire size :            | 2.5 m <sup>2</sup> / 14 AWG       | ●         | -            |
| Cable anchoring:            | Neutrik® chuck type strain relief | ●         | -            |
| Solderability:              | complies with IEC 68-2-20         | ●         | ●            |
| <b>Material</b>             |                                   |           |              |
| Housing:                    | Brass (CuZn39Pb3)                 | ●         | -            |
|                             | Zinc diecast (ZnAlCu1)            | -         | ●            |
| Insert:                     | PBTP 20% GR                       | ●         | -            |
| Contacts:                   | Brass (CuZn39Pb3)                 | ●         | ●            |
| Contact plating:            | 5 μm Au plated over 5 μm Ni       | ●         | ●            |
| Chuck:                      | Polyacetal (POM)                  | ●         | -            |
| <b>Environment</b>          |                                   |           |              |
| Temperature range:          | -30°C to +80°C                    | ●         | ●            |
| Protection class:           | IP 40                             | ●         | ●            |
| Flammability:               | UL 94 HB                          | ●         | ●            |

## Ordering Information

### Phono Profi®

NF2C-B2 Professional "phono Plug" (RCA or CINCH type), two plugs with red and black coding, two strain relief chucks for a second cable diameter

### Phono (RCA) Socket

NF2D-\* Chassis Phono (RCA) socket in D Shape housing

NF2D-B-\* Chassis Phono (RCA) socket in black D Shape housing

## Assessories

SCL Plastic sealing cover to protect the connector sockets against dust and moisture

\* color coding: 0 - Black, 1 - Brown, 2 - Red, 3 - Orange, 4 - Yellow, 5 - Green, 6 - Blue, 7 - Violet, 8 - Grey, 9 - White





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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