

# Neutrik SpeakON Connectors – Basic Information / Notes

## Neutrik speakON Connectors

The Neutrik speakON cable connectors are the industry standard for amplifier and speaker connections. The NL2FX and NL4FC are the most common of the speakON connectors (but there are many others to choose from). The majority of power amplifiers and speaker cabinets are equipped with speakON chassis type jacks. You should always verify if the speakON jack or connector is an NL2 or NL4 type as they both look familiar, but do not have the same number of poles. The NL2 “mates” with 4-Pole chassis connectors (if you only need 2-poles and a single speaker connection). Very reliable and easy to assemble.



Neutrik #NL2FX



Neutrik #NL4FC



Neutrik #NL8FC

The Neutrik #NL2FX is a 2-Pole cable connector with a current rating of 40A continuous. The Neutrik #NL4FC is a 4-Pole cable connector with chuck type strain relief for cables 4-20mm in diameter. The NL4FC will accept 2-Pole (1 speaker signal) and 4-Pole (2 speaker signals) jacks and plugs. Current rating for this connector is 30A (amps) RMS continuous.

## Neutrik #NL2MDXX-H-3

The speakON panel mount connectors are the standard chassis connectors for loudspeaker / amplifier interconnections.



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HOSA #SKT-400

Neutrik SpeakON Speaker Cable Popular speaker cables that are used with Amplifiers and Speakers that have SpeakOn connectivity.

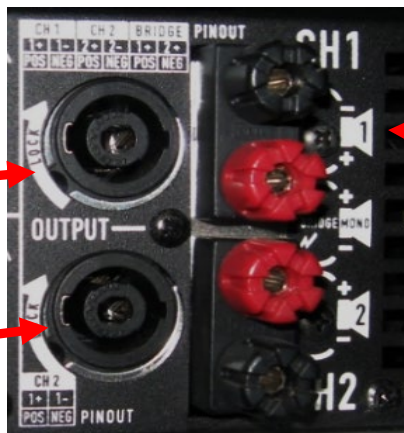
Features a unique metal locking system, making contact only once fully locked.

## Neutrik Connectors

Neutrik #NL2FX



Neutrik #NL2FX



## Banana Connectors



Many amplifier manufacturers are including multiple types of Speaker Output connections on their amplifiers – it's convenient to have options. Currently Neutrik connections are by far the most popular speaker connections.

Neutrik  
#powerCON  
TRUE 1



Neutrik powerCON TRUE 1 Power Cords are ready made over molded power cords in protection class IP65. These cables use standard duty cords with 3 conductors. These power connectors offer a unique strain relief and also ensure a perfect connection and cannot be released accidentally.



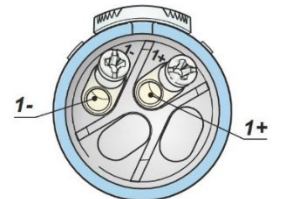
**PowerCon Cable**

This type of cable is manufactured by Neutrik and is used for equipment power connections. Looks exactly like (and works like) the SpeakOn connector – It is inserted into the equipment chassis and twists into a locking position.

**How to Terminate a Neutrik SpeakON Connectors**

**Single 2-Pole**

The Neutrik NL2FX is a 2-Pole connector is easy to assemble. All you need for tools is a wire stripper and a Phillips screwdriver. There is a 1+ and a 1- terminal, the black wire connects to the 1- and the red wire (or Hot) connects to the 1+ terminal. The main “step” to remember is to slide all 3 connector parts (sleeves) on the cable before you attached the wires.



NL2FX Wiring Diagram

Neutrik  
#NL2FX



[NL2FX - Video Clip!](#)

The 4 main parts of the connector.



**Dual 4-Pole**

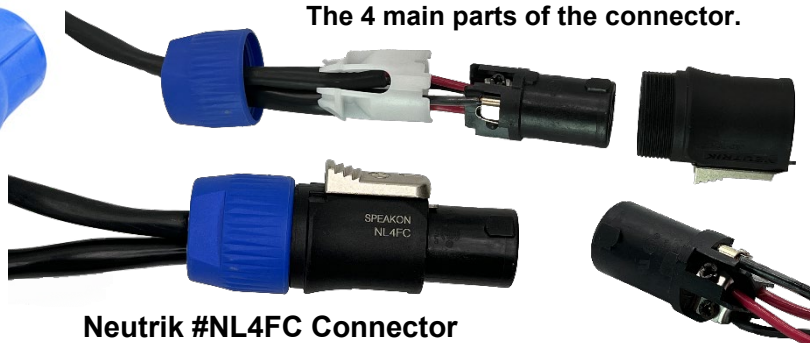
The NL4FC Neutrik 4-Pole connector is the industry standard for amplifier / speaker connections. They are very reliable, no soldering involved, and has a solid locking system. The NL4FC has four terminals – they are 1+ and 2+ terminals, and 1- and 2- terminals. The black wires from the two speaker cables will separately connect to the 1- and 2- terminals and the red wires (or Hot) connect to the 1+ and 2+ terminals. Again, the main “step” to remember is to slide all the pieces on the cable before you attached the wires.

Neutrik  
#NL4FC



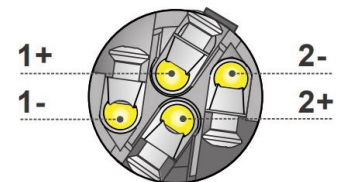
[NL4FX - Video Clip!](#)

The 4 main parts of the connector.



Neutrik #NL4FC Connector

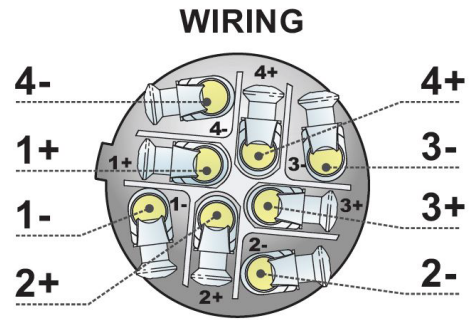
**WIRING**



NL4FC Wiring Diagram



Neutrik  
#NL8FC



### 8-Pole

8 pole cable connector, latch lock, chuck type strain relief for cables 8 - 20 mm diameter, 30 A continuous per contact. These are mainly used for larger PA systems. Terminates pretty much the same way as the 2-Pole and 4-Pole versions.

Courtesy of Neutrik

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