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THE
ORIGINAL

speakON® Connectors

NEUTRIK®

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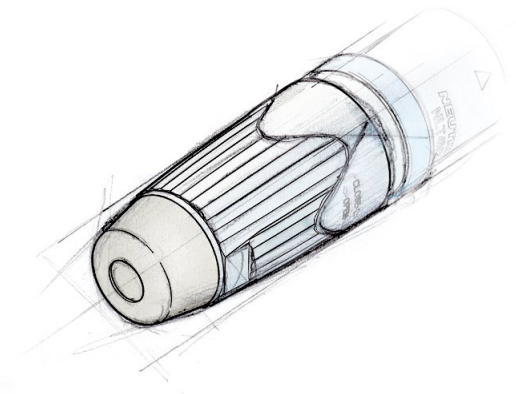
speakON® Connectors

Introduction

The Neutrik speakON® Series, known in the professional audio industry as "The loudspeaker connector" has become the state of the art in speaker and amplifier connectivity. Introduced in 1987 speakON was invented by Neutrik as a result of customer demand for a reliable speaker connection. The pro audio market quickly realized the advantages of this completely new connection system.

The design is optimized for loudspeaker applications with an outstanding cost-performance ratio. As market leader for speaker connections we are proud to offer an all-encompassing product line for the specific needs of today's market. Recent designs such as the STX series and the speakON Combo offer solutions for nearly every speaker application.

Integrated Design



One of Neutrik's goals is to create products that are easily distinguished from other manufacturers. We have successfully achieved this in our engineering efforts as well as the patent and trademark protection granted for our unique products. To further establish a clear difference between Neutrik and our competitor's products we give our customer the means to easily identify original Neutrik products. Therefore all of our new products such as the SPX and the STX series are designed according to the protected integrated design. (EU-Pat.: DM/057 379, US-Pat. Pending, CHINA-Pat.: 02305192.2 / 193.0/194.9 / 195.7)

Features & Benefits

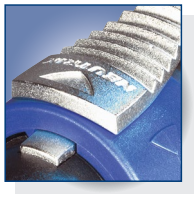
Today's speakON series is a result of a continuous product improvement process. The principal idea has been kept and optimized with material and design modifications over the years.

A traditional speakON stands for:

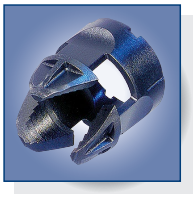
- Reliable and robust, easy and fast to assemble
- 2, 4 and 8 pole cable and chassis connectors in various versions
- Optimal "Quick Lock" system for speaker applications
- Neutrik proven and unique chuck type cable strain relief
- Outstanding cost-performance ratio
- De facto standard
- Meets all worldwide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

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

- Up to 50 A current rating
- Only 3 parts with 1 piece strain relief design for even easier assembly
- Convertable right-angle version
- Weatherproof and extremely robust



Quick lock



Chuck type strain relief

Right angle conversion

speakON® SPX Series 2 & 4 Pole Cable Connector

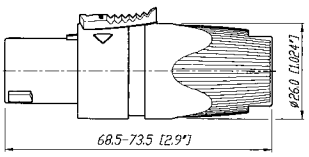
NL2FX

NL4FX

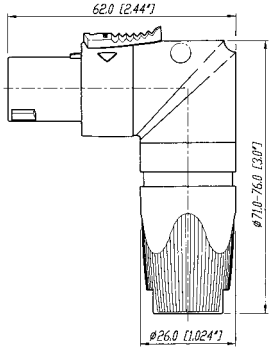
NL4FRX

- Current rating 40 A rms continuous
- Up to 50 A audio signal, duty cycle 50%
- Only 3 parts, easy to assemble
- High impact materials – long-lasting and reliable
- Easy and extremely precise locking system "Quick Lock"
- Improved grip on latch
- 1 piece strain relief, chuck for 7 to 14.5 mm cable O.D.
- Color coding possible
- Improved screw-type termination for highest pull-out force
- Integrated design guarantees "Made by NEUTRIK®"

NL4FX

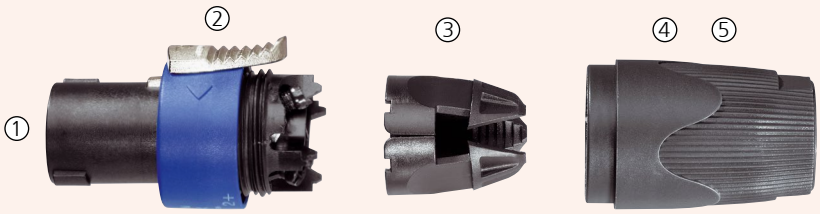


NL4FRX



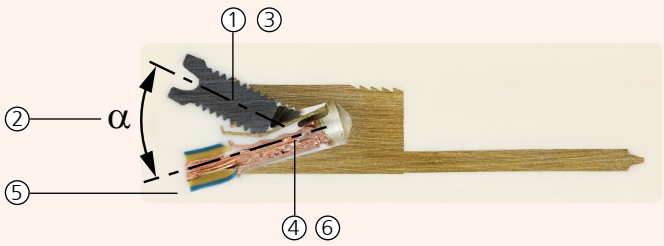
Design Criteria

This second generation of speakON connectors features higher current rating for the operation of high power speakers and amplifiers carrying more than 1`000 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.



① Easy and extremely precise locking system "Quick Lock"
② Improved grip on latch
③ 1 piece strain relief, chuck for 7 to 14.5 mm cable O.D., with accessory NLRR 5-8 mm
④ Color coding possible
⑤ Integrated design guaranties "Made by NEUTRIK®"

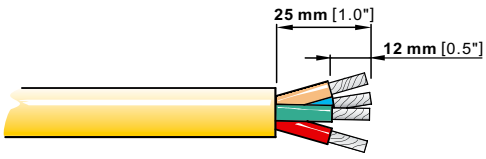
Improved SPX-Series screw contacts! (Wire position after assembly)



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 mm² (AWG 12) for 6 mm² (AWG 10) remove screw & solder
⑤ Pull out force > 200 N @ 80 cNm
⑥ Gas tight connection

Assembly

Prepare cable as shown.



HINT:

For easy wiring especially of thick cables, first screw on the inner contacts 1+ and 2+ and afterwards the outer contacts 1- and 2- !

Use screwdriver Pozidriv #1 only.

Glass reinforced housing

Quick lock

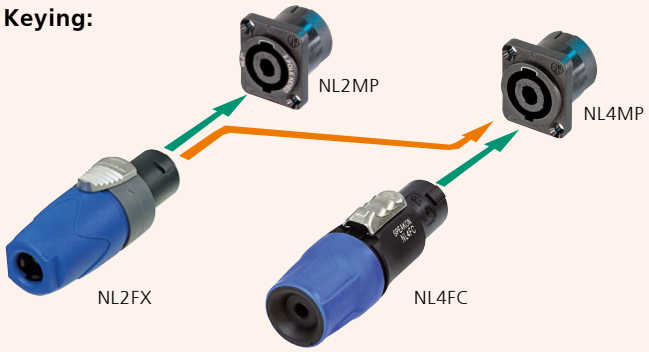
speakON® FC Cable Connector Series

NL4FC

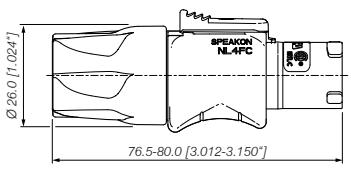
NL8FC

- 4 pole – branded with unique hologram – guarantees genuine and authentic Neutrik product
- 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
- 4 pole in new design with more ergonomic latch

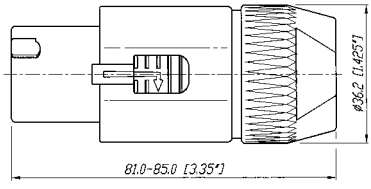
Keying:



NL4FC



NL8FC



1/4" Jack adapter

Extention coupler

speakON® Adapter

NA4LJX

NL4MMX

NL8MM

NL4MMX:

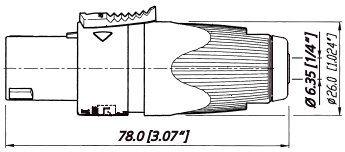
Features permanent secure connection on a speakON cable connector using 2nd lock.

Secure Lock!

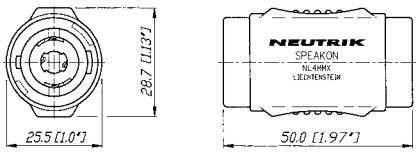
NL4MMX + NL4FX:
(locked on the cable)

Changes gender to male when permanently locked on the cable.

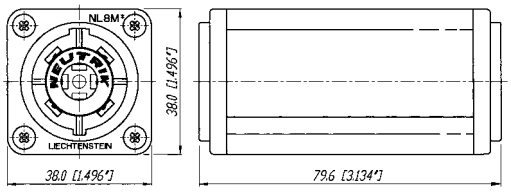
NA4LJX



NL4MM

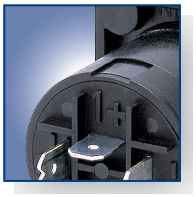


NL8MM



Reinforced locking area

Nickel housing



3/16" flat tabs

Vertical PCB mount

speakON® Chassis Connector

NL2MP

NL4MD-H-1

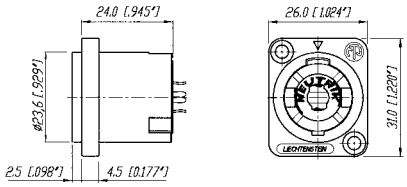
NL4MD-H-3

NL4MPR

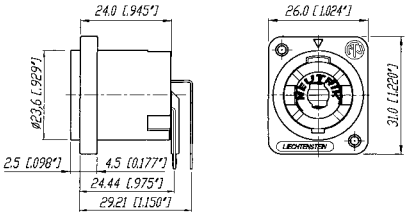
NL8MPR

- 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
- 4 pole branded with unique hologram

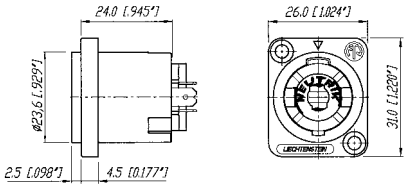
NL4MD-V



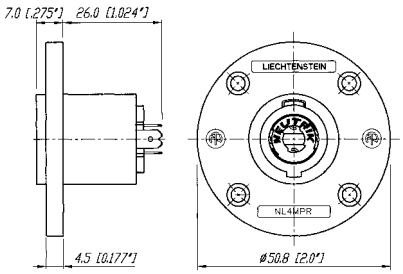
NL4MD-H



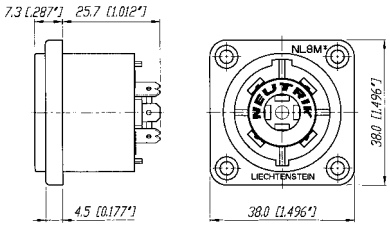
NL4MP



NL4MPR



NL8MPR



Locking key

PCB solder pins

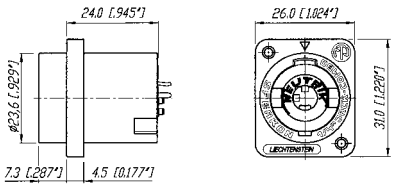
speakON® Combo

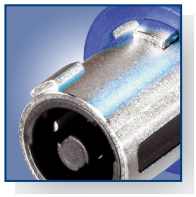
NLJ2MD-V

- 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
- PCB layout of NLJ2MD-V is compatible with NL4MD-V and PCB layout of NLJ2MD-H is compatible with NL4MD-H

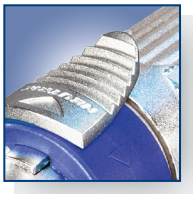
Combines a speakON® and 1/4" Phone Jack – one for two

NLJ2MD-V





Reinforced locking



Latch lock

XL-solder contacts

Protected latch

speakON® STX Series Cable Connectors

NLT4FX-BAG

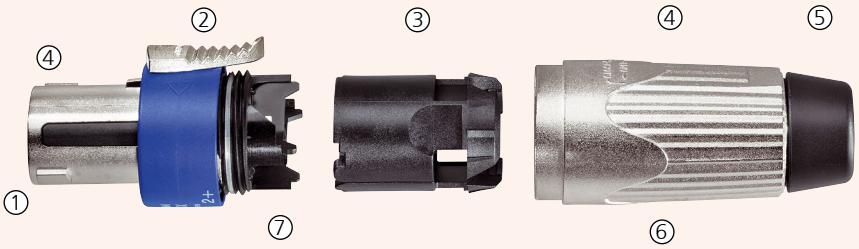
NLT4MX

NLT8FX

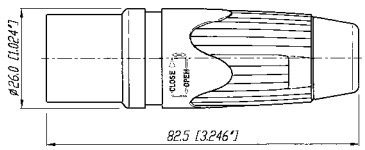
NLT8MX-BAG

- Up to 50 A current rating
- Robust and durable all metal housing
- Sealing ring provides weatherproof IP 54 rating in mated condition on 4 pole version
- Reinforced metal quick lock system for ease and precise locking
- Extra large solder contacts for up to 6 mm² (AWG 10) wires
- Compatible with all available speakON products

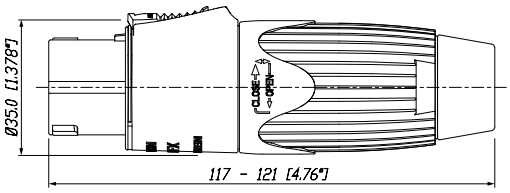
① Easy and extremely precise locking system "quick look", reinforced with metal
② Improved grip on latch
③ 1 piece strain relief, chuck for cables from 9 to 16 mm O.D.
④ Extreme rugged "Touring Approved"
⑤ Rubber sealing boot
⑥ Integrated Design garanties "Made by NEUTRIK®"
⑦ X-large solder contacts for up to 6 mm² (AWG 10) wires



NLT4MX



NLT8FX



Robust metal housing

XL-solder contacts

1/4" flat tabs

speakON® STX Series Chassis Connectors

NLT4FP-BAG

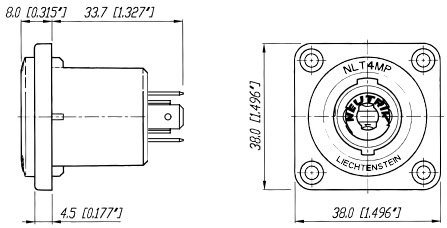
NLT4MD-V

NLT4MP-BAG

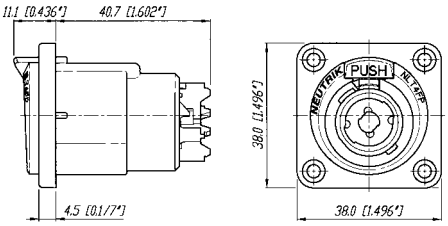
NLT8MP-BAG

- 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 A audio current
- Uses precise "Quick Lock" system
- Compatible with all currently available speakON products
- 4 pole version has UL recognized components, CSA listed

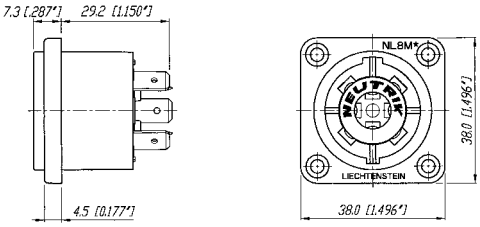
NLT4MP



NLT4FP



NLT8MP



Specification		SPX Series Cable Con.	STX Series Cable Con.	speakON FC Cable Con	speakON Chassis + Combo	Adapter	STX Series Chassis
Electrical							
Number of contacts		2 + 4	4 + 8	4 + 8	2, 4, 8	2, 4, 8	4 + 8
Rated current per contact	40 A rms continuous	●	●	30 A	30 A**	15 A	●
CSA approved rating	25 A (4 pole) rms continuous	●	●	-	10 A	-	-
	50 A audiosignal, duty cycle 50%	●	●	40 A	40 A	30 A	●
Combo	15 A rms continuous	-	-	-	●	-	-
Rated voltage	250 V ac	●	●	●	●	●	●
Contact resistance after lifetime	< 2 mΩ	●	●	≤ 3	≤ 3	≤ 3	●
Insulation resistance	> 1 GΩ	●	>100MΩ	●	●	●	>100MΩ
Dielectric strength	4 kV peak	●	●	●	●	●	●
1/4" Jack	1.5 kV peak	-	-	-	-	●	-
Mechanical							
Locking System	Quick lock (latch)	●	●	●	●	●	●
Life time (mating cycles)	> 5'000	●	●	●	●	●	●
Cable O.D. range (mm)	2 pole	6 - 10	-	-	-	-	-
	4 pole	7 - 14.5	9 - 16	6 - 15	-	-	-
	8 pole	-	8 - 20	8 - 20	-	-	-
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*	●	●	●	-	-	-
Material							
Housing	Polyamide PA 6 30% GR	-	-	●	●	●	-
	PBTP 20% GR	●	-	-	-	-	-
	Zinc diecast (ZnAl4Cu1)	(8 pole)	●	-	-	-	●
Insert	Polyamide PA 6 30% GR	-	●	-	-	●	●
	PBTP 20% GR	●	-	●	-	-	-
Contacts	Brass (CuZn39Pb3)	●	●	●	-	-	-
	Bronze (CuSn6)	-	-	-	●	●	-
	Spring copper	-	●	-	● (UC)	-	●
Contact plating	4 µm Ag	●	●	●	●	●	●
Locking Element	Zinc diecast (ZnAl4Cu1)	●	●	●	-	-	● (FP)
Chuck	Polyacetal (POM)	●	●	●	-	-	-
Bushing	Polyamide (PA 6 15% GR)	●	●	●	-	-	-
Environment							
Temperature range	-30 °C to +80 °C	●	●	●	●	●	●
Protection class	IP 54 (mated condition)	-	●	-	-	-	●
	IP 50 (8 pole, mated cond.)	-	●	-	-	-	●
Flammability	UL94HB (*: UL94 V-0)	●	●	●*	●	●	●
Finger- Safety	IP2X/IEC 61984	●	●	●	●	●	●
Approvals	UL-Recognized, CSA listed	●	4 pole	●	●	●	4 pole
Solderability	complies with IEC 68-2-20	●	●	●	●	●	●

*: subject to cable O.D. and material
**: NL4MD-V-S - Rated current per contact: 20A

Ordering Information Cable Connectors

SPX Series

NL2FX	2 pole	Cable connector with chuck and blue bushing, intermates with 4 pole chassis connector and makes contact with +1/-1
NL4FX	4 pole	Cable connector with chuck and black bushing
NL4FX-2	4 pole	Cable connector with chuck and red bushing
NL4FX-4	4 pole	Cable connector with chuck and yellow bushing
NL4FX-5	4 pole	Cable connector with chuck and green bushing
NL4FX-9	4 pole	Cable connector with chuck and white bushing
NL4FRX	4 pole	Right-angle cable connector with chuck and black bushing

FC Series

NL4FC	4 pole	Cable connector with latch lock
NL8FC	8 pole	Cable connector with latch lock

Adapters

NA4LJX	4/2 pole	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-BAG	8 pole	Coupler to extend two 8-pole cables, black-chrome metal housing, chuck and bushing

STX Series

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
NLT8MX-BAG	8 pole	Male cable connector, black-chrome metal housing, chuck and bushing

Accessories

LCR-*

LRX

NLRR

BSL-*

HTFAC

SPX Series

LCR-*	Colored 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.
NLRR	Strain relief reduction ring for NL4FX for thin loudspeaker cables with an O.D. of 5 to 8 mm
HTFAC	Hand tool for tightening the bushing of the speakON NL4FC and the powerCON 20A cable connectors.

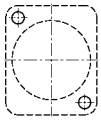
FC Series

BSL-*	Colored 2 component bushing for NL4FC

*: 0 - Black, 1- Brown, 2 - Red, 3 - Orange, 4 - Yellow, 5 - Green, 6 - Blue, 7 - Violet, 8 - Grey, 9 - White; Must be ordered in multiples of 100.

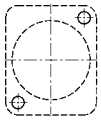
Ordering Information Chassis Connectors

Flange layout:



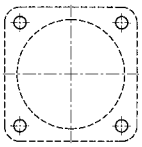
D-size standard hole

Ⓐ



D-size mirrored hole position

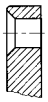
Ⓑ



G-size flange with four holes

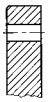
Ⓒ

Hole layout:



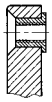
Thru holes

Ⓓ



Self tapping screw holes (A-screw)

Ⓔ



Metal M3 thread

Ⓕ

	Pole	Flange size	Flange layout	Hole layout	Color	Wiring	Remarks
Traditionally							
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	grey	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	
NL4MD-V-S	4	D-size	A	E	black	vertical PCB	switched contacts
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*	
STX Series							
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	
NLT4MD-V-1	4	square G-size flange	C	D	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	
NLT4FD-V-BAG	4	square G-size flange	C	D	black chrome	vertical PCB	
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*	
NLT8FP-BAG	8	square G-size flange	C	D	black chrome	solder contacts	

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

Ordering Information Chassis Connectors

	Pole	Flange size	Flange layout	Hole layout	Color	Wiring	Remarks
Combo Series							
NLJ2MD-V	2	D-size	A	E	green	vertical PCB	
NLJ2MD-V-1	2	D-size	A	E	grey	vertical PCB	
NLJ2MD-H	2	D-size	A	E	green	horizontal PCB	

Accessories

A-Screw-1-8

NLFASTON

MFD

NDL

SCL

SCDR

SCDX

SCCD-W

SCDP-*

SCNLT

Example: SCNLT + NL4MP

NZP1RU-12

A-Screw-1-8	Black self tapping PLASTITE® screw 2.9 x 8 for rear panel mount
NLFASTON	FASTON® receptacle for tabs with "positiv lock" for use with NL4MP, NL4MPR, NL8MPR, Pack of 100 pcs.
MFD	M3 mounting frame for D-size chassis
NDL	dummyPLUG for 2 & 4 Pole chassis connector
NZP1RU-8	Panel 1RU housing with 8 D-shape cutouts
NZP1RU-12	Panel 1RU housing with 12 D-shape cutouts
SCL	Plastic sealing cover to protect the connectors against dust and moisture
SCDR	Rear end protection cover for D-size chassis connectors
SCDP-*	D-Size sealing gaskets, color coding
SCDX	Hinged cover seals D-size chassis connectors, IP 42 rated
SCCD-W	Spring-loaded cover to seals for D-size chassis Connectors, IP 65 rated
SCNLT	Gasket for NLT4MP
	(To make a cabinet with an Amphenol EP cutout airtight, use the rubber sealing which covers the entire hole.)

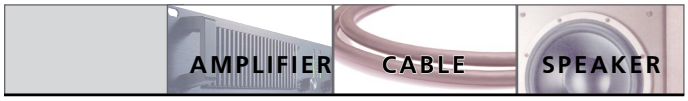
(*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)

Wiring Suggestion

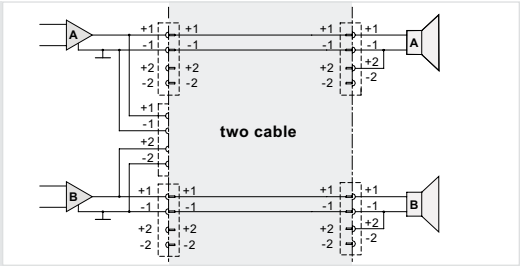
Positive signal on speaker pin "+" produces positive wave-form from driver (moves cone outwards)

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

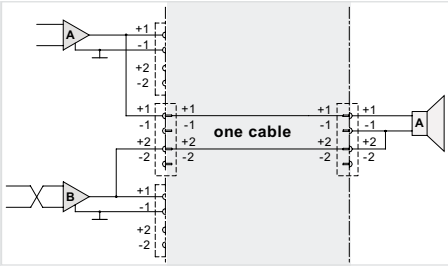
	AMPLIFIER	CABLE	SPEAKER
Stereo ("HiFi")	one NL4MP socket left channel pins 1+/1- right channel pins 2+/2-	NL4FC on amplifier end, four conductor cable splits into two pairs with NL4FX on each end	one NL4MP per speaker left speaker pins 1+/1- right speaker pins 2+/2-
POWER ("PA") Standard	three NL4MP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



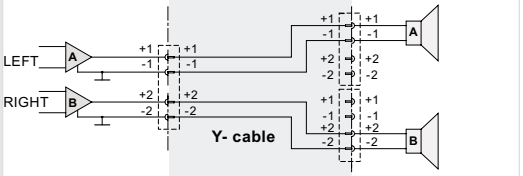
Power "PA" - 2 channel wiring



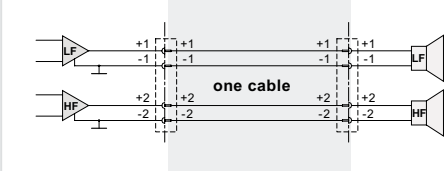
Power "PA" - Mono briged wiring



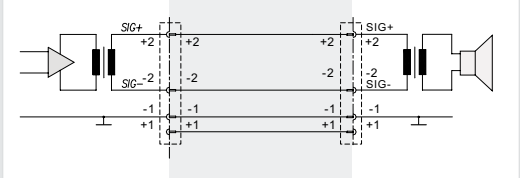
Stereo "HiFi"



Bi-Amp



"100V application"



Definitions, Abbreviations & Useful Information

ELEMENTS

Ag	Silver
Al	Aluminium
Au	Gold
Co	Cobalt
Cr	Chromium
Cu	Copper
Ni	Nickel
P	Phosphorus
Pb	Lead
Pd	Palladium
Sn	Tin
Zn	Zinc
SS	Stainless Steel

ALLOYS, PLASTICS, POLYMERS

Brass (Alloy)	CuZn39Pb3
Bronze (Alloy)	CuSn6
Ck 67	Carbon Steel
EPDM	Ethylene Propylene
GR	Glass Reinforced
PA	Polyamide
PBTP	Polybutylene Terephthalate
POM	Polyacetal
PTFE	PolyTetraFluoroEthylene (TEFLON)
PUR	Polyurethane

MEASUREMENT LEGEND

N	Newton
Ω	Ohm
µ	Micro
OD	Outside Diameter
m	Meter(s)
k	Kilo

ENGLISH TO METRIC CONVERSIONS

1/8 inch	3.175	millimeters (mm)
1/4 inch	6.35	millimeters (mm)
1 inch	25.4	millimeters (mm)
	2.54 cm	1 inch
1 foot	30.48	centimeters (cm)
	0.305	meter (m)
6 foot	1.828	meters (m)
50 foot	15.24	meters (m)
100 foot	30.48	meters (m)
1000 foot	304.8	meters (m)

METRIC TO ENGLISH CONVERSIONS

1 centimeter	0.3937	inches
1 meter	39.37	inches
3.281 meter	10	feet
10 meters	32.808	feet
50 meters	164.041	feet
100 meters	328.084	feet

OTHER ABBREVIATIONS

UL®	Underwriters Laboratories
IP Rating	Ingress Protection rating for objects and water ACC IEC529/EN60529
IEC	International Electrotechnical Commission is the international standards and conformity assessment body for all fields of electrotechnology
	UL Recognized Component Mark
	ENEC – European norms electrical certification, demonstrates compliance with European safety standards.
	VDE Association for Electrical, Electronic and Information Technologies e.V.
AWG	American Wire Gauge

NEUTRIK, crystalCON®**, ether**CON®**, max**CON®**, mini**CON®**, nano**CON®**, neutri**CON®**, optical**CON®**, power**CON®**, Profi®, rear**TWIST®**, silent**PLUG®**, speak**ON®**, TOP®, DiWA®, XIRIUM®, are registered trademarks of Neutrik AG.**

Neutrik® Part Number Guide

NC3FAH1-B-0-D

Packaging:	**D**	Cable connector: bulk packed
Assembly:	**D**	Chassis connector: disassembled push latch
Retention:	**w/o**	Latch lock
	-0	Retention spring
	-DA	Asymmetric PUSH
Shell:	**B**	Black shell, gold contacts
	BAG	Black shell, silver contacts
Grounding:	**0**	Separate ground contact connected to shell, male only
	1	Pin 1 & panel & shell connected, no separate ground contact
	2	Separate ground contact connected to shell & panel, separate Pin 1
	E	Additional ground contacts
	w/o number	No ground /shell contact (except 4 /5 pole), female only
Termination:	**H**	Horizontal PCB mount
	HL	Laterial left PCB mount
	HR	Laterial right PCB mount
	L	Solder cups
	V	Verticale PCB mount
	Y	IDC for wires (no ground)
	M3	Mounting holes with M3 thread
	M25	Mounting holes with M2.5 thread
	-	Not applicable
Series:	**A, AA, B, D, DL, DLX, MPR, P, PX, RX, X, XX**	
Gender:	**F**	Female
	M	Male
Number of Contacts:	**2, 3, 4, 5, 6, 7, 8, 12**	
Connector Type:	**A**	Adapter
	AC	powerCON
	B	BNC
	C	XLR
	D	dummyPLUG
	E	etherCON - RJ45
	F	RCA / CINCH
	J (MJ, RJ, SJ)	Jack
	K	Cable Assembly
	L	speakON - Loudspeaker
	M	Module
	O	opticalCON - Fiber Optic Connector
	P	Plug
	PP	Patch Panel
	R	Circular Connector
	T	Transformer
	TOP	True Outdoor Protection

Definitions, abbreviations & useful information see page 17.

Neutrik® Product Line

XLR Connectors

X Series | XX Series | TOP Series | RX Series | XS Series | A Series | AA Series | B Series | TOP Series | D Series | DL Series | DLX Series | P Series | MPR Series | Combo I Series | Combo A Series

Plugs & Jacks

PX Series | silentPLUG® | timbrePLUG® | ultimatePLUG® | MIL/B-Gauge Type Plugs | 0.173" Bantam | 3.5 mm Plug | Cable Jack | Chassis Jacks | Vertical Jacks | Slim Jacks | M Jacks | Stacking Jacks | Phono - Profi® | Phono - Socket

speakON® Connectors

speakON® SPX Series | speakON® FC Series | speakON® Adapter | speakON® Chassis Connectors | speakON® Combo | speakON® STX Cable & Chassis Connector

Data Connectors

opticalCON® Cable & Chassis Connectors | USB Cable & Chassis Connectors

HDMI Cable & Chassis Connectors | etherCON® Cable & Chassis Connectors | etherCON® TOP | mediaCON Cable & Chassis Connectors

75 Ohm BNC Connectors

rearTWIST® | Female Cable Jack | Chassis | Bulkhead Jacks | Tiny Cable Jack

Circular Connectors

nanoCON® Cable & Chassis Connectors | miniCON® Cable & Chassis Connectors | neutriCON® Cable & Chassis Connectors

powerCON® Connectors

powerCON® TRUE1 TOP Cable & Chassis Connectors

powerCON® Cable & Chassis Connectors | 32 A powerCON® Cable & Chassis Connectors

Patch Panels

1/4" Patch Panel | NPPA Series - 96 Bantam (TT) Jacks | LF 48 B-Gauge Patchbays

Accessories

Circular Adapters | DMX Adapters | XLR Feedthrough

D Shape Adapters | AES / EBU Digital Impedance Trasformer Adapters

etherCON® CAT6A Adapter | Modules & Audio Transformers | Goosenecks

Digital Audio Network

Mic,Line, AES/EBU I/O to Dante® Interface

XIRIUM® PRO

NEUTRIK®

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