

**Speakon®****FEATURES**

- Easier handling of the release mechanism with a locking lever.
- Only 2 variations of the connector in 4- and 8-pole configuration for simplicity: cable version and chassis-mount type.
- All contacts on both connectors are touch proof. The connectors meet the safety requirements of IEC 65, IEC 348 and are UL Recognized and CSA listed.
- Terminations can be solderless, making the connectors field serviceable, and the chassis types are fast and reliable to wire with FASTON® terminals.
- Chassis connectors for speakers are **airtight** and use panel cutouts which are the same as existing audio connector types for flexibility and simplicity.
- Extremely rugged, step-on proof, multi-contact finger for highest connecting integrity.
- Contacts are designed to prevent any damage from arcing when disconnected under load.

**TECHNICAL DATA****UL-recognized, CSA-listed****ELECTRICAL**

- **Rated current/contact:** 20 A rms continuous, 40 A rms 1 min.
- **Dielectric strength:** 4240 V pp
- **Rated voltage:** 250 V ac
- **Contact resistance:**  $\leq 3 \text{ m}\Omega$  after 5000 insertion-withdrawal operations
- **Insulation resistance - initial:**  $> 2 \cdot 10^9 \Omega$   
**after damp heat test:**  $> 10^8 \Omega$
- **Inrush/outrush current capability (12 V source):** 300/30 !/200ms
- **Creepage distance:** according to IEC 664-1

**NOTE: Not for use as a Mains (A.C.) Connector for interrupting current.**

**MECHANICAL**

- **Retention method:** Quicklock with securing lever
- **Cable anchoring:** NEUTRIK® chuck principle
- **Cable OD range:**  
5-15 mm (4-pole)  
white chuck - 6.00mm (0.236") - 11.00mm (0.433")  
black chuck - 9.50mm (0.374") - 15.00 mm(0.59")  
8-20 mm (8-pole)  
w/reducing sleeve - 8.00mm (0.315") - 15.00mm (0.591")  
w/o reducing sleeve - 15.00mm (0.591") - 20.00mm (0.787")
- **Cable retention force:**  $\geq 220 \text{ N}$ , depending on cable dia and material
- **Wiring:**
  - **Cable:** screw-type terminals (use with copper end sleeves for strands) or soldering  
Max. wire size/contact: 4 mm<sup>2</sup>/12 AWG
  - **Chassis:** flat tabs for FASTON 0,187"x0.02"  
(4,8mm x 0,5mm) or soldering or PCB-version with pins 1.6mm X 0.5mm

**MATERIALS**

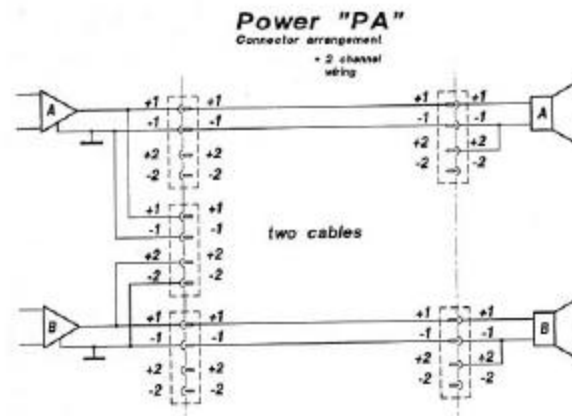
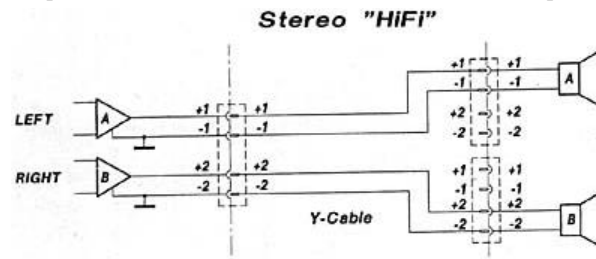
- **Housing:** PA 6.6 30% GR
- **Insert (FC Part):** PBTP 20% GR
- **Contact:** ZnAl4Cu1/CuSn8  
4µm Ag plated
- **Securing element:** ZnAl4Cu1, CuNi plated
- **Bushing:** PA 6.6 15% GR
- **Chuck:** POM
- **Spring Element:** Neopreme ring
- **Temperature range:** -30°C to + 80°C

**WIRING**

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
Stereo ("Hi-Fi")	one NL4MP socket left channel pins 1+/1- right channel pins 2+/2-	NL4FC on amplifier end, four conductor cable splits into two pair with NL4FC 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 NL4FC on both ends	NL4MP pin 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 pins 1+/2+ of NL4FC	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-, 2+/2- of NL4FC	one NL4MP socket low frequency pins 1+/1- high frequency pins 2+/2-

Amplifier Cable Loudspeaker (siehe auch Neutrik1.pdf und Neutrik2.pdf)



Amplifier Cable Loudspeaker

