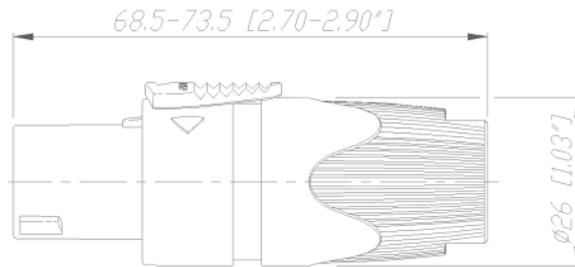


NL4FX

4 pole cable connector with chuck and dark grey bushing.



Speakon® Lockable Loudspeaker Connector / SPX Series

A new generation of loudspeaker amplifier system: SPX Series. This second generation of Speakon® connectors features a higher current rating for the operation of high power speakers and amplifiers carrying more than 1000 Watts. Change easily and quickly from a straight connector to the right-angle version, without disconnecting the cable. Only 3 parts.

TECHNICAL DATA

Electrical

Rated current/contact: 40 A rms continuous, 50 A audiosignal, duty cycle 50%

Dielectric strength: 4kV peak

Rated voltage: 250 V ac

Contact resistance after lifetime: < 2 mΩ

Insulation resistance: > 1 G<IMG

Inrush/Outrush current capability (12v source): 300/30A/200 ms

Creepage distance is according to IEC 60664-1

Mechanical

Retention method: Quick lock with latch

Lifetime (mating cycles): > 5000

Cable anchoring: NEUTRIK® chuck principle

Cable O.D. range: 6-14 mm / 0.24 - 0.55"

Cable retention force of >220N is subject to cable OD and material

Wiring: screw-type terminals (stranded wire 5mm²/10 AWG) or soldering (stranded wire 6mm²)

Solderability: complies with IEC 68-2-20

Materials

Contacts: Brass CuZn39Pb3

Locking element: Zinc diecast ZnAl4Cu1

Housing / insert: PBTP 20% GR

Bushing: Polyamide PA 6 15% GR

Chuck: Polyacetal POM

Temperature range: -30°C to +80°C

Flammability: UL94V-0 (housing), UL94HB

WIRING

Amplifier

Stereo ("HIFI"): one NL4MP socket left channel pins 1+/1- right channel pins 2+/2-

Power ("PA") Standard: three NL4MP sockets "A" socket: left channel pins 1+/1- "B" socket: right channel pins 1+/1-

Bridged mono: "M" socket: left channel pins 1+/1- right channel pins 2+/2-

BI-Amp: one NL4MP socket low frequency pins 1+/1- high frequency pins 2+/2-

Cable

Stereo ("HIFI"): NL4FC/NL4FX/NL4FRX on amplifier end, four conductor cable splits into two pairs with NL4FC/NL4FX/NL4FRX on each end

Power ("PA) Standard: a two-conductor cable for each channel with NL4FC/NL4FX/NL4FRX on both ends

Bridged mono: a special two-conductor cable, on both ends wired to pin 1+/2+ of NL4FC/NL4FX/NL4FRX

BI-Amp: a four-conductor cable on both ends wired to pins 1+/1-, 2+/2- of NL4FC/NL4FX/NL4FRX

Speaker

Stereo ("HIFI"): one NL4MP per speaker left speaker pins 1+/1- right speaker pins 2+/2-

Power ("PA) Standard: NL4MP pin 1+ to speaker coil "+" NL4MP pins 1- and 2+ to speaker coil "-"

Bridged mono: 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-