

Specification	SPX Series Cable Con.	STX Series Cable Con.	speakON FC Cable Con	speakON Chassis + Combo	Adapter	STX Series Chassis
---------------	-----------------------------	-----------------------------	----------------------------	-------------------------------	---------	--------------------------

## Electrical

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**	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 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	-	-	-	-	●	-

## 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	-	5 - 15	-	-	-
	8 Pole	-	8 - 20	8 - 20	-	-	-
Wiring:	screw type terminals	4 mm <sup>2</sup> (AWG 12)	-	4 mm <sup>2</sup> (AWG 12)	● (ST)	-	-
	soldering	6 mm <sup>2</sup> (AWG 10)	6 mm <sup>2</sup> (AWG 10)	4 mm <sup>2</sup> (AWG 12)	●	-	●
	flat tabs for 3/16" FASTON® (4.8x0.5 mm)	-	-	-	●	-	-
	flat tabs for 1/4" FASTON® (6.3x0.8 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 (ZnAlCu1)	-	●	-	-	-	●
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 52 (8-pole, mated cond.)	-	●	-	-	-	●
Flammability:	UL94HB	●	●	●	●	●	●
Safety Requirements:	EN/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

