

FEATURES

- Professional Speaker Cables
- Force / Sense configuration for voltage pickup at speaker terminal
- Over-current protection
- Oxygen free copper
- High power capability
- Low cable resistance
- Various configuration available
- Easy measurement setup
- High Temperature range



All cables distributed as part of the KLIPPEL ANALYZER SYSTEM are high quality, professional audio cables. The Speaker Cable is connecting the hardware unit of the KLIPPEL ANALYZER SYSTEM with the device under test whereas the Amplifier Cable is connecting the power amplifier with the hardware unit. They are specified to work at high power levels guaranteeing high accuracy of the measured signals, high flexibility, robustness and safety to the user. Default configurations as well as user definable terminations connecting to any speaker terminal are available. Using a 4 wire force-sense configuration for voltage pickup directly at the speaker terminal high precision even for longer cables and high currents are maintained.

Article Number: 2300-000, 2300-004, 2300-010, 2300-011

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Amplifier Cable



The Amplifier Cable connects any 1 or 2 channel audio power amplifier with the hardware unit. If using a mono amplifier the 2 channels of the hardware unit may be driven from the mono output (connect 1+ w/ 2+ and 1- w/ 2-). If not using touch protected connectors the user has to ensure safe operation.

Configuration					Speakon® contact
Hot wire first speaker channel					1+
Cold wire first speaker channel					1-
Hot wire second speaker channel					2+
Cold wire second speaker channel					2-
Cable termination		Length	unit	Max. Current	Article #
Blank terminals, crimped ferrule (default)		1.5	m	30 A _{rms}	2300-010
1:1 Speakon® Connector For Dual Channel - Single Output (Channel 1: 1+ / - Channel 2: 2+ / -)		1.5	m	30 A _{rms}	2300-011
Fully user specified		Please send your specifications			



Note: For Analyzer Rev. 1.0 – 2.0 cables are distributed with fuses for over-current protection. From Hardware Revision 2.1 fuses are built in the Analyzer Hardware.

Speaker Cable

The Speaker cable connects the device under test with the hardware unit. The user must select one of the available cable termination

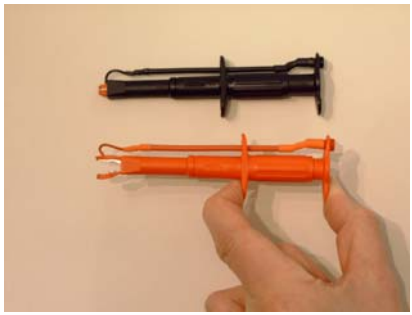

Length	2,20 m	Other length on request
Configuration		Speakon® contact
Hot wire force		1+
Cold wire force		1-
Hot wire sense		2+
Cold wire sense		2-

For Force / Sense Configuration 1+ and 2+ as well as 1- and 2- have to be connected.

Cable termination

The Speaker cable are available in two configurations. Please select according to your requirements.

- All cables are equipped with $\varnothing 4$ mm rigid guard safety plug

A	High Precision Cable Article # 2300-004	
	<ul style="list-style-type: none"> - True 4-wire (Kelvin) Configuration - especially suited for low resistance measurements - recommended for high current measurements - for fast and safe contact on flat conductor bars - specified for 16 A_{rms} 	
B	General Purpose Cable Article # 2300-005	
	<ul style="list-style-type: none"> - Alligator Test Clip - for general applications - specified for 32 A_{rms} / 1000 V_{rms} - 4-wire configuration ends at the alligator 4mm input 	

General Cable Specifications

Parameter	Symbol	Min	Typ.	Max	Unit
Conductor cross section	A_{cable}		2.5		mm ²
Cable diameter	d_{cable}		10		mm
Resistance	R_{DC}		7.5		Ω/km
Temperature	t_{amb}	-25		70	°C
High Temperature Cable on request (Standard cable for Power Monitor 8 Speaker Cable)	t_{amb}	-50		180	°C

Find explanations for symbols at <http://www.docs.klippel.de/symbols.pdf>

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