

Speaker cables



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CORDIAL[®]
SOUND & AUDIO EQUIPMENT



Speaker cables

types:

coaxial:

- great cross-sectional-area at little diameter
- easy to be reeled
- superior transmitting capacity

twinaxial:

- easy to be reeled
- simple connector mounting
- fair price/quality ratio

multicore:

- supplies multichannels
- easy to be reeled
- cuts down set-up and mounting times

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Speaker cables

Nowadays when choosing an appropriate loudspeaker cable special attention has to be put to the proper cross sectional area.

Modern PA amplifiers for the low frequency range supply more than 400W/4 ohms. There maximum peaks of 180 Volts at 40 amperes are reached, wich have to be transmitted by the loudspeaker cables.

At this point let us issue a sincere warning: Don't use cables containing recycled copper, frequently used in cables that are just meant to be utilized as power cords. Their high share of oxygen leads to swift oxidization of these cables and may result in transmission loss, fire due to overheating and sparkover in the coupling.

For the installation in public buildings CORDIAL offers special FRNC types whose plastics components are halogen free and flame retardant.

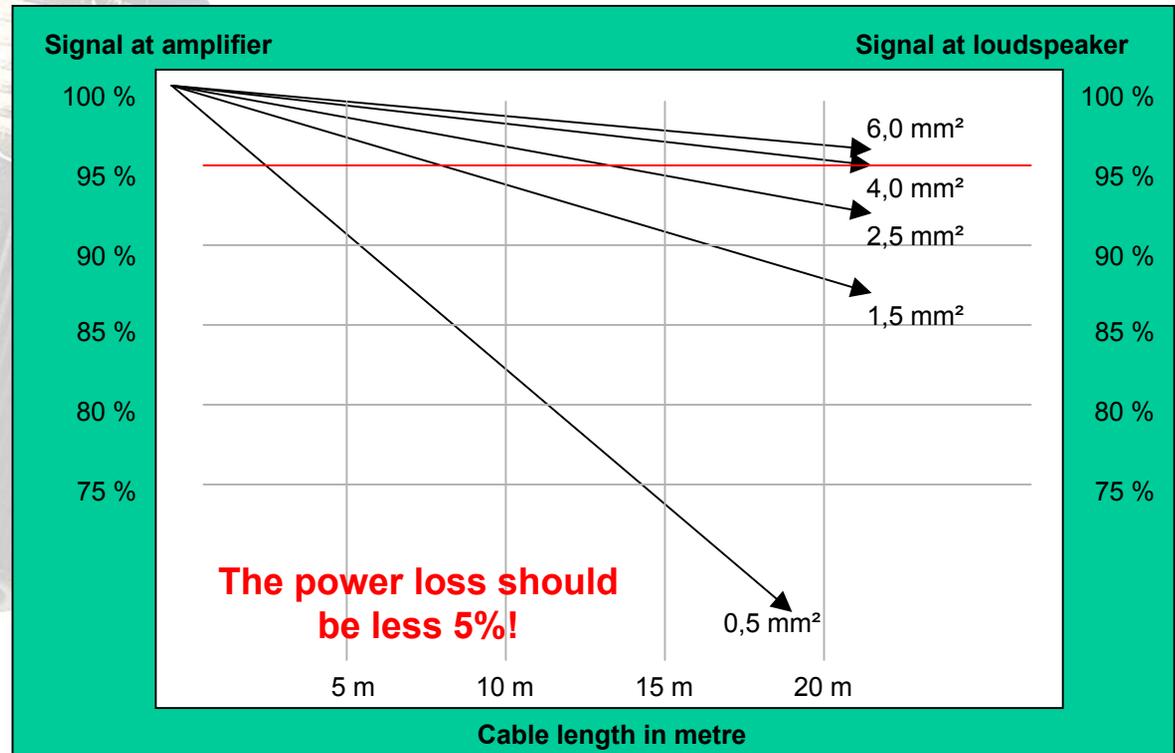
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Speaker cables

Power loss:

the suited size for your application:



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Speaker cables

Our types bulk ware:

multicores

1,5 mm²

2,5 mm²

4,0/6,0 mm²

19 Lautsprecherkabel Speaker Cables

Lautsprecherkabel 1,5 mm²

Lautsprecherkabel 1,5 mm²
 Lautsprecherkabel mit 100 Meter aus Hochtemperatur-PE, für die Lautsprecher, Poweramp, Verstärker, und Endverstärker. Die Kabel sind mit einem Durchmesser von 1,5 mm² und sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet.

Loudspeaker Cable 1,5 mm²
 Small power amplifiers of up to 100 watts of 100 watts total. Loudspeakers, power amps, and end amplifier. The cables are made with conductive wires of 1,5 mm² cross-sectional area. The cables are suitable for use in the audio field. The cables are suitable for use in the audio field. The cables are suitable for use in the audio field.



Bestell.-No.	Part No.	CLS 1,5	CLS 1,5	CLS 1,5
		multicores	multicores	multicores
Technische Daten	Technical data			
Länge/meter	Conductor area	100 m	100 m	100 m
Lautsprecher	Conductor diameter	1,5 mm	1,5 mm	1,5 mm
Adressierung	Conductor material	2x blank / Blank copper	2x blank / Blank copper	2x blank / Blank copper
Lautsprecher	Conductor insulation	PVC	PVC	PVC
Adressierung	Conductor protection	2 verdrillte Adern / 2 twisted pair	2 verdrillte Adern / 2 twisted pair	2 verdrillte Adern / 2 twisted pair
Geometrie	Overall length	100 m	100 m	100 m
Geometrie	Overall diameter	7,5 mm	7,5 mm	7,5 mm
Geometrie	Weight	ca. 100 g/m	ca. 100 g/m	ca. 100 g/m
Geometrie	Working temperature	max. +100°C (-20°C)	max. +100°C (-20°C)	max. +100°C (-20°C)
Elektrische Daten	Electrical data			
Lautsprecher	Conductor resistance	11 Ohm/m	11 Ohm/m	11 Ohm/m
Polspannung (Veff/Adm)	Insulation resistance	2000 V/kV	2000 V/kV	2000 V/kV

20 Lautsprecherkabel Speaker Cables

Lautsprecherkabel 2,5 mm²

Lautsprecherkabel 2,5 mm²
 Lautsprecherkabel mit 100 Meter aus Hochtemperatur-PE, für die Lautsprecher, Poweramp, Verstärker, und Endverstärker. Die Kabel sind mit einem Durchmesser von 2,5 mm² und sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet.

Loudspeaker Cable 2,5 mm²
 Medium standard amplifiers easily provide outputs of more than 1000 Watts. To get the maximum of power to the loudspeakers without developing too much heat, a conductor size of at least of 2,5 mm² per single core should be used. By most of applications of the respective fields of application and desired degree of flexibility we offer an extremely conductive of PVC. High and sturdy quality cable so that you can use it in any situation. With the CLS 2,5 mm² we offer a cable for the audio application. This cable contains progressive conductive conductors, maximum energy loss and maximum flexibility due to its ultra-extended optical strand system. Our CLS 2,5 mm² cable is made of high quality PVC jacket. The high quality PVC jacket meets the high demands of the modern installation technique.



Bestell.-No.	Part No.	CLS 2,5	CLS 2,5	CLS 2,5	CLS 2,5
		multicores	multicores	multicores	multicores
Technische Daten	Technical data				
Länge/meter	Conductor area	100 m	100 m	100 m	100 m
Lautsprecher	Conductor diameter	2,5 mm	2,5 mm	2,5 mm	2,5 mm
Adressierung	Conductor material	2x blank / Blank copper			
Lautsprecher	Conductor insulation	PVC	PVC	PVC	PVC
Adressierung	Conductor protection	2 verdrillte Adern / 2 twisted pair			
Geometrie	Overall length	100 m	100 m	100 m	100 m
Geometrie	Overall diameter	10,5 mm	10,5 mm	10,5 mm	10,5 mm
Geometrie	Weight	ca. 150 g/m	ca. 150 g/m	ca. 150 g/m	ca. 150 g/m
Geometrie	Working temperature	max. +100°C (-20°C)	max. +100°C (-20°C)	max. +100°C (-20°C)	max. +100°C (-20°C)
Elektrische Daten	Electrical data				
Lautsprecher	Conductor resistance	8 Ohm/m	8 Ohm/m	8 Ohm/m	8 Ohm/m
Polspannung (Veff/Adm)	Insulation resistance	2000 V/kV	2000 V/kV	2000 V/kV	2000 V/kV

21 Lautsprecherkabel Speaker Cables

Lautsprecherkabel 4/6 mm²

Lautsprecherkabel 4/6 mm²
 Lautsprecherkabel mit 100 Meter aus Hochtemperatur-PE, für die Lautsprecher, Poweramp, Verstärker, und Endverstärker. Die Kabel sind mit einem Durchmesser von 4/6 mm² und sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet.

Loudspeaker Cable 4/6 mm²
 In theory it is, of course, the best concept to place the conductors within a close distance of the amplifier. But this very concept always be realized due to practical or conceptual barriers. In reality, high quality speaker cables have to be transmitted by long cable runs, you will have to use at least a 4 mm² or even more a 6 mm² conductor size to minimize loss. Our new audio CORDIAL CLS 4/6 mm² provides the best solution to the problem. Large conductor size and at the same time very good cable flexibility are also important for long cable runs. Our CLS 4/6 mm² cable is made of high quality PVC jacket. The high quality PVC jacket meets the high demands of the modern installation technique.



Bestell.-No.	Part No.	CLS 4/6	CLS 4/6	CLS 4/6	CLS 4/6
		multicores	multicores	multicores	multicores
Technische Daten	Technical data				
Länge/meter	Conductor area	100 m	100 m	100 m	100 m
Lautsprecher	Conductor diameter	4,0 mm	4,0 mm	6,0 mm	6,0 mm
Adressierung	Conductor material	2x blank / Blank copper			
Lautsprecher	Conductor insulation	PVC	PVC	PVC	PVC
Adressierung	Conductor protection	2 verdrillte Adern / 2 twisted pair			
Geometrie	Overall length	100 m	100 m	100 m	100 m
Geometrie	Overall diameter	14,0 mm	14,0 mm	18,0 mm	18,0 mm
Geometrie	Weight	ca. 200 g/m	ca. 200 g/m	ca. 200 g/m	ca. 200 g/m
Geometrie	Working temperature	max. +100°C (-20°C)	max. +100°C (-20°C)	max. +100°C (-20°C)	max. +100°C (-20°C)
Elektrische Daten	Electrical data				
Lautsprecher	Conductor resistance	5 Ohm/m	5 Ohm/m	5 Ohm/m	5 Ohm/m
Polspannung (Veff/Adm)	Insulation resistance	2000 V/kV	2000 V/kV	2000 V/kV	2000 V/kV

22 Lautsprecherkabel Speaker Cables

Lautsprecherkabel Multicores

Lautsprecherkabel Multicores
 Lautsprecherkabel mit 100 Meter aus Hochtemperatur-PE, für die Lautsprecher, Poweramp, Verstärker, und Endverstärker. Die Kabel sind mit einem Durchmesser von 4/6 mm² und sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet. Die Kabel sind für die Verwendung in der Audiotechnik geeignet.

Loudspeaker Cable Multicores
 Active multicores PA equipment can be used in a large and fast growing way with CORDIAL multicores speaker cables. Due to their size at CORDIAL CLS Multicores are suitable for use with active speakers. SPEAKER connections, but in addition to that they also fit in other, preferably, active systems. The most widely used in the audio field is the 4 mm² size. The highest top range 2 mm² size. With the CLS 4/6 mm² we can offer you an equally effective way for every active system.

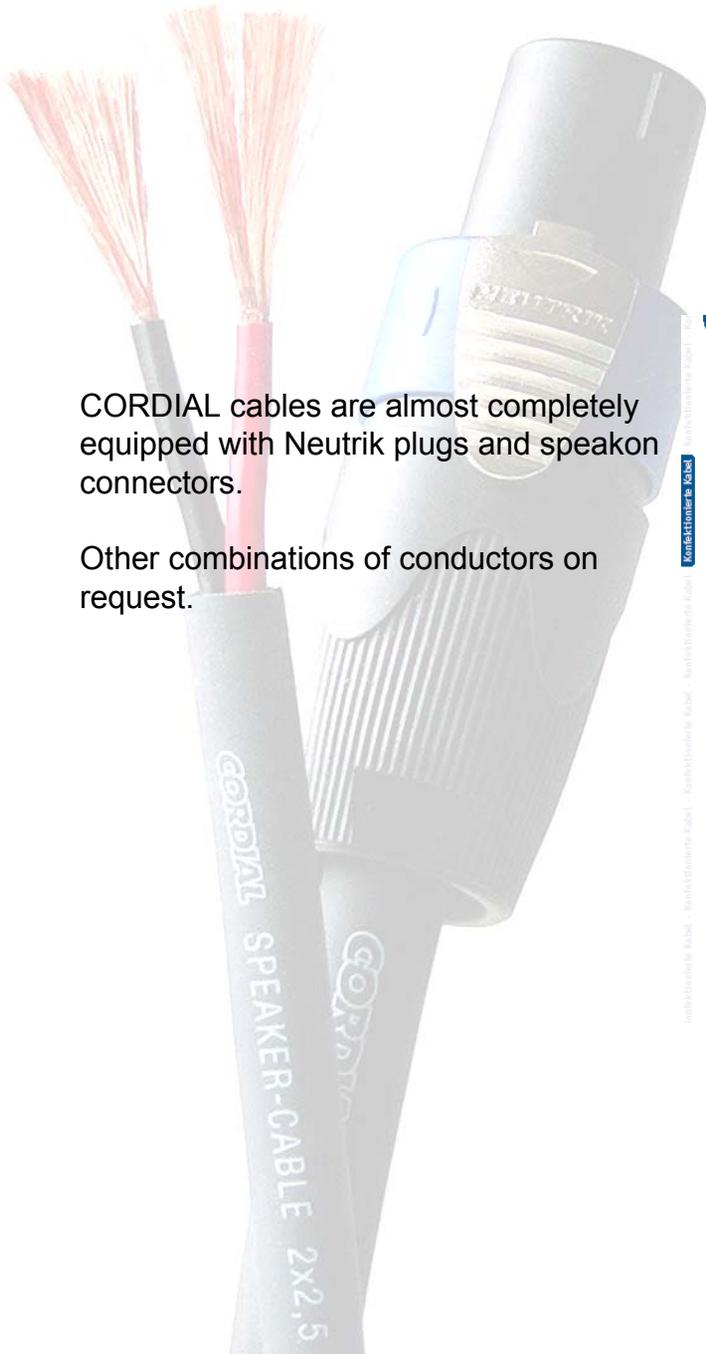


Bestell.-No.	Part No.	CLS 4/6					
		multicores	multicores	multicores	multicores	multicores	multicores
Technische Daten	Technical data						
Länge/meter	Conductor area	100 m					
Lautsprecher	Conductor diameter	4,0 mm	4,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm
Adressierung	Conductor material	2x blank / Blank copper					
Lautsprecher	Conductor insulation	PVC	PVC	PVC	PVC	PVC	PVC
Adressierung	Conductor protection	2 verdrillte Adern / 2 twisted pair					
Geometrie	Overall length	100 m					
Geometrie	Overall diameter	14,0 mm	14,0 mm	18,0 mm	18,0 mm	18,0 mm	18,0 mm
Geometrie	Weight	ca. 200 g/m					
Geometrie	Working temperature	max. +100°C (-20°C)					
Elektrische Daten	Electrical data						
Lautsprecher	Conductor resistance	5 Ohm/m					
Polspannung (Veff/Adm)	Insulation resistance	2000 V/kV					

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More information at www.cordial-gmbh.de - products



CORDIAL cables are almost completely equipped with Neutrik plugs and speakon connectors.

Other combinations of conductors on request.

Kombi-Hornleiter-Kabel - Lautsprecherkabel - Kombinationen zu Kabeln - Kombinationen zu Kabeln

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Lautsprecherkabel PRO LINE

Lautsprecher-Verbindungen per Kabelkabelnet ist wegen elektrisch offener Enden Kontaktstörchen gegenüber mit bei anderen Verbindungsarten unüberwindlich. Dennoch hat die sich hinsichtlich bei Instrumentenverbindungen. Hierfür gibt es keine Verwendung machen kann. Cordial® PRO LINE Lautsprecherkabel bestehen aus zwei 2,5 mm² Kupferadern, die durch einen hochwertigen 18-gigiges Alu-Abmantel aus einer professionellen Aluminium-

Loudspeaker Cable PRO LINE

Loudspeaker connection using plug-type cable is electrically quite safe only the live pole separation due to the open contact area. Nevertheless it is particularly used by musicians of instrument amplifiers. Cordial® PRO LINE loudspeaker cables with plug and speakon connector are made of two 2,5 mm² copper conductors and then coated in an aluminium sheath. CORDIAL® PRO LINE loudspeaker cables come with two 2,5 mm² plug and separate high-quality cable material - an aluminium as well as professional aluminium.



Länge / Length	Kabel / Cable	Stecker / Connector	Farbe / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 215	Plug / Plug 6,3 mm mono	■ SW	CP1 3 PP
5,0 m	CLS 216	Plug / Plug 6,3 mm mono	■ SW	CP1 5 PP
10,0 m	CLS 216	Plug / Plug 6,3 mm mono	■ SW	CP1 10 PP

Länge / Length	Kabel / Cable	Stecker / Connector	Farbe* / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 225	Plug / Plug 6,3 mm mono	■ SW	CP1 10 PP-2S
5,0 m	CLS 225	Plug / Plug 6,3 mm mono	■ SW	CP1 10 PP-2S
10,0 m	CLS 225	Plug / Plug 6,3 mm mono	■ SW	CP1 10 PP-2S

* Bitte auch auf Anfrage - also plug on request

plug

Speaker cables

Our types premade cables:

speakon

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SPEAKON® - Lautsprecherkabel PRO LINE

SPEAKON® - das Standard in Sachen Lautsprecherkabel. Kombi-Stecker wird mit High-End-Kabelmaterial aus 2,5 mm² Aluminium, ein hochwertiges Shielding durch ein 20-Mikron-Alu-Verzahnung über die gesamte Länge des Kabels. Die hochwertigen Typen belegen die verschiedensten Anwendungsbereiche im Studio- und Live-Bereich. Das Design ist einzigartig und zeigt sich durch die Verwendung von 2-Meg-Alu-Verzahnung. Im Lieferumfang ist bereits ein hochwertiges Shielding enthalten.

SPEAKON® Loudspeaker Cable PRO LINE

SPEAKON® - the standard loudspeaker connection. Equipped with high-end cable material and a conductor size of 2,5 mm², a self-shielded cross-section to transmit add to large amplifier power over distances of up to 20 metres. The four-pole module make use of 20 available pins of the SPEAKON® connector and are especially suited to stereo two-way active loudspeaker systems. A user-friendly YIELDING® is attached.



Länge / Length	Kabel / Cable	Stecker / Connector	Farbe* / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 225	Speakon (2 poles) / Speakon (2 poles)	■ SW	CP1 3 LL-2
5,0 m	CLS 225	Speakon (2 poles) / Speakon (2 poles)	■ SW	CP1 5 LL-2
10,0 m	CLS 225	Speakon (2 poles) / Speakon (2 poles)	■ SW	CP1 10 LL-2
15,0 m	CLS 225	Speakon (2 poles) / Speakon (2 poles)	■ SW	CP1 15 LL-2
20,0 m	CLS 225	Speakon (2 poles) / Speakon (2 poles)	■ SW	CP1 20 LL-2

Länge / Length	Kabel / Cable	Stecker / Connector	Farbe* / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 225	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 5 LL
10,0 m	CLS 225	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 10 LL
15,0 m	CLS 225	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 15 LL
20,0 m	CLS 225	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 20 LL

Länge / Length	Kabel / Cable	Stecker / Connector	Farbe / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 425	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 5 LL-4
10,0 m	CLS 425	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 10 LL-4
15,0 m	CLS 425	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 15 LL-4
20,0 m	CLS 425	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 20 LL-4

Länge / Length	Kabel / Cable	Stecker / Connector	Farbe / Colour	Bestell-Nr. / Part No.
3,0 m	CLS 440	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 5 LL-4-4
10,0 m	CLS 440	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 10 LL-4-4
15,0 m	CLS 440	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 15 LL-4-4
20,0 m	CLS 440	Speakon (4 poles) / Speakon (4 poles)	■ SW	CP1 20 LL-4-4

* Bitte auch auf Anfrage - also plug on request

More information at www.cordial-gmbh.de - products



Kombi-Hornleiter-Kabel - Lautsprecherkabel - Kombinationen zu Kabeln - Kombinationen zu Kabeln