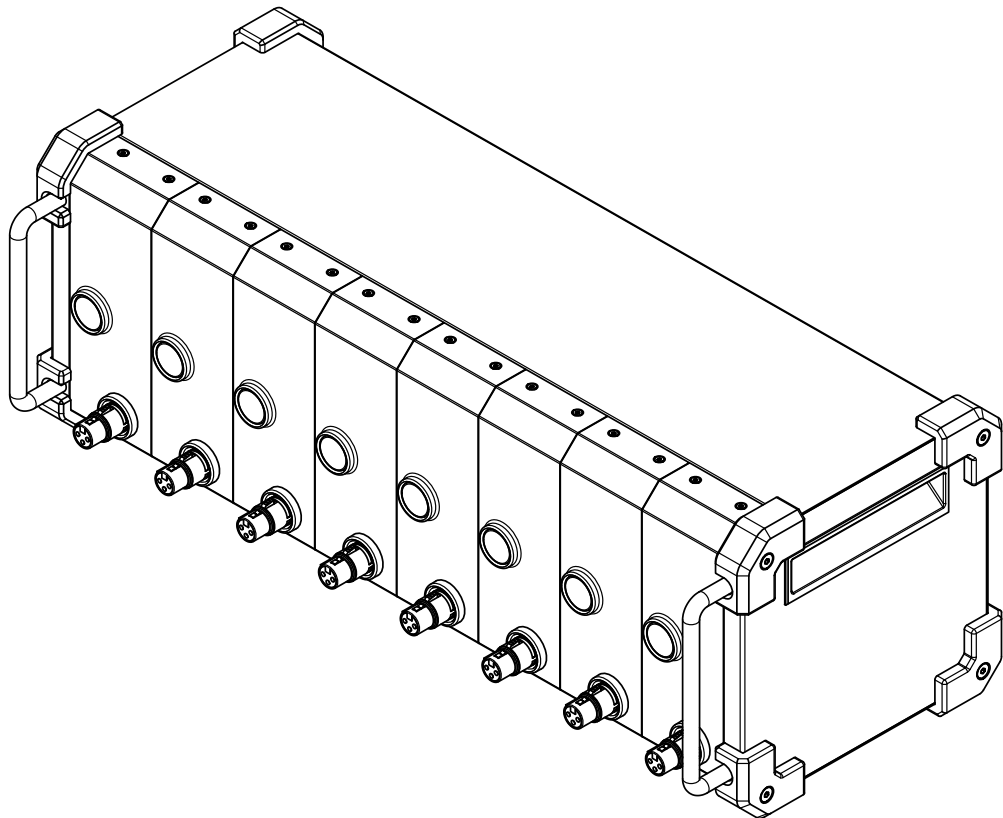


User Manual

Automatic Multi Signal Cable Re-Winder



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Safety Instructions and Warnings

This device meets the predicted safety requirements for the stage technology. Improper use may cause personal injury and property damage.

Read the instruction manual carefully before use the device for the first time. The user manual provides important information on safety, use and maintenance of the device. In this way you will prevent yourself and others from harming and damage.

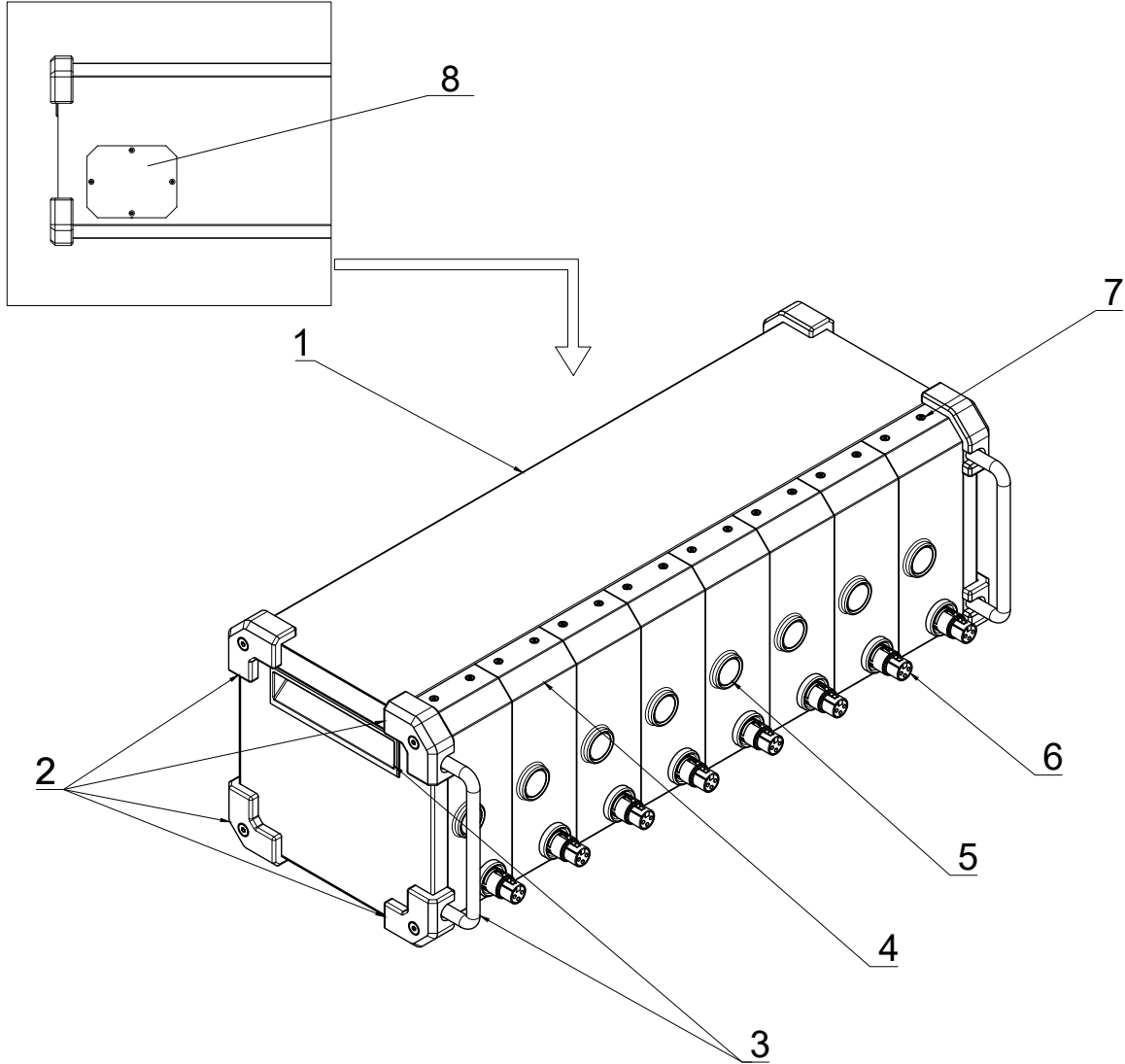
Keep the manual until end of the life of the device and give it to the next owner/user.

The Rules of Usage

- This device can be used in the field where the signal cable and the audio signal (signals between 0-25Volts) are transferred in the stage technology.
- You absolutely must carry the device using both carrying handles at the same time. Due to the weight of the product, transporting it with a single purse may cause personal injury and property damage.
- Lift, carry and leave the device carefully. Unattended leaving the device may cause property damage.
- Before using the device and all accessories, check for visible damage.
- The device is mechanically working and wrapping the cables. Never connect the appliance to an electrical outlet.
- Only use a dry, slightly damp cloth. Newer use any chemical product for cleaning. Never immerse the appliance in water, do not wash it with water or other liquids.
- Do not use the device on wet surfaces and humid area. If the cables get wet, humid, contaminated or dusty, cables must be cleaned and afterwards re-winded. Otherwise, it may cause property damage
- Do not use the signal cables to pull the device from one place to another, and do not hold the cable when you want to remove the socket from the source (Microphone, instrument, etc.), remove it from the socket by pressing the sticker on the socket.
- To avoid damaging the signal cable, do not pull it from the sharp corners and prevent objects from pointing, heavy, or damaging the cable.
- In case of signal cable damage, do not use damaged re-winder. Damaged cable must be replaced with the entire re-winder unit. Do not open re-winder mechanism due to high risk of injury. See the replacement of re-winder unit at the section “Troubleshooting”.
- On the back side of the device, there is a card slot for the cards produced by CabroX. Only the cards produced by CabroX must be used on the device. The instruction for mounting of card slot can be finding at the section “Before Use”.

Introducing of the Device

CabroX is a stage box and cable box that collects the cables automatically. The device having channels, each channel contain 7,5 meters cable with XLR socket at the end, transmitting microphone and line signals, collect the cables rapidly and store safely manner. There is a card slot at the back side of the device. This slot is the place that the card of your requirement will be connected. The instruction of card connection explained at the section "Before Use". There are different cards option for the different models. The options can be found at the "Technical Specification" section.



1. Main Body
2. Side Shoe
3. Carrying Handles
4. Front Cover
5. Button (push)
6. Socket (XLR)
7. Front Cover Mounting Screws
8. Card Slot

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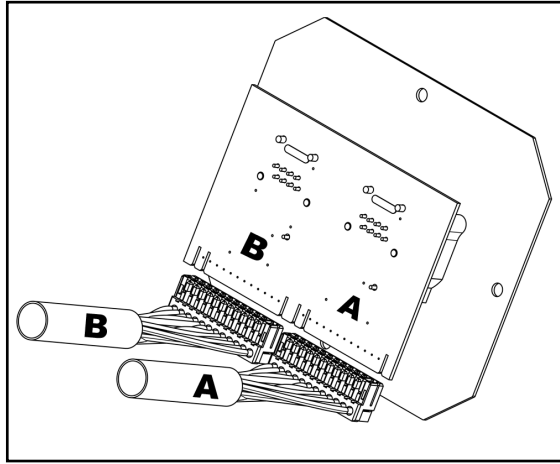
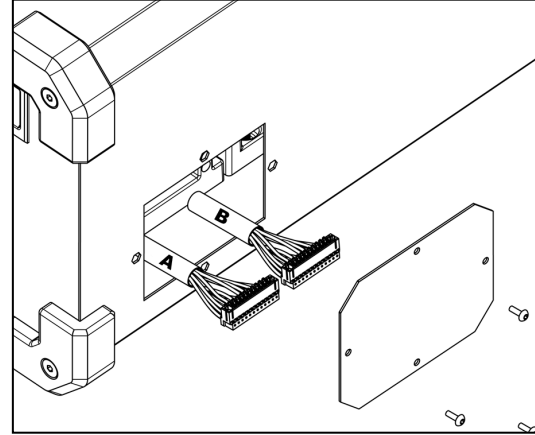
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Before Use

Connection of the Back Card

- After removing the device from the box, remove the bolts on the rear card slot cover using the required tools. Inside this slot there are the socket(s) (A-B-C-D) indicated by letters. Each socket contain 4 channels.
- These sockets may be one or more depending on the models you purchased.



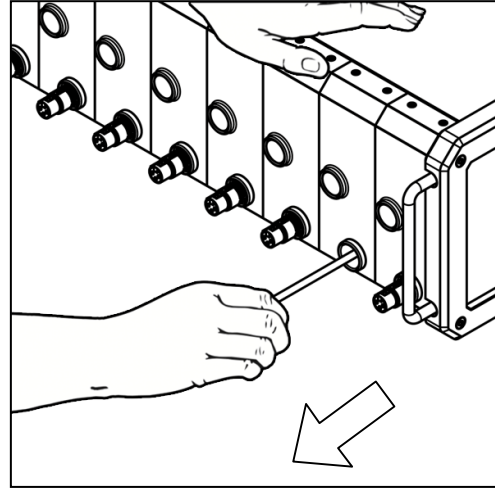
- Insert this socket(s) by matching the letters on the back card you purchased. The sockets are designed directional and not suitable for reverse installation. Check that the letter on the socket and the letter on the card are the same as the letter on the socket..
- Insert the connected card into the card slot and bolt it using the necessary tools. Your device is ready to use.
- Locate the device on the stage where sources (microphone, instrument, etc.) are dense.
- Check that the connection between the device and the target (audio mixer, digital stage box, etc.) is proper by connecting the appropriate cable (s) to the card on the back of the device.
- When making these connections, check whether the channel on the device (audio mixer, digital stage box, etc.) is off (MUTE or OFF). Failure to do so may result in property damage.

Important Notice: Due to being equipped friction contacts at the re-winder mechanism do not pull or re-wing the cables when connected to the audio mixer. Perform pulling out or re-winding cables absolutely when the audio mixer channels are OFF or MUTE. Failure this may cause serious damages in property.

Usage

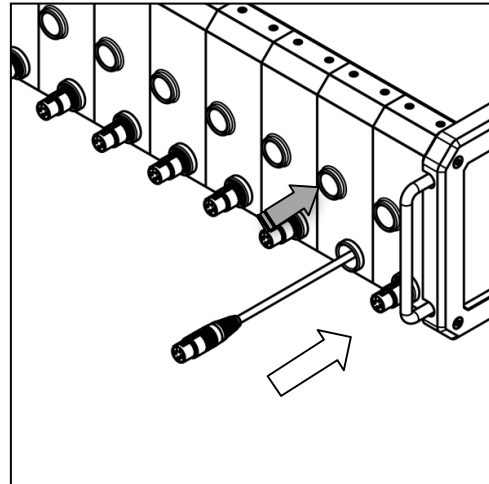
Pull Out the Cable

- Check and be sure that the channel(s) of the audio mixer is/are closed (MUTE or OFF).
- Pull out the signal cable(s) at the length required.
- Connect the socket(s) to the destination sources (Microphone, instrument, etc.).
- After being sure that all connections are made in a proper way, turn on the volume of the channel(s) you have connected at the audio mixer.



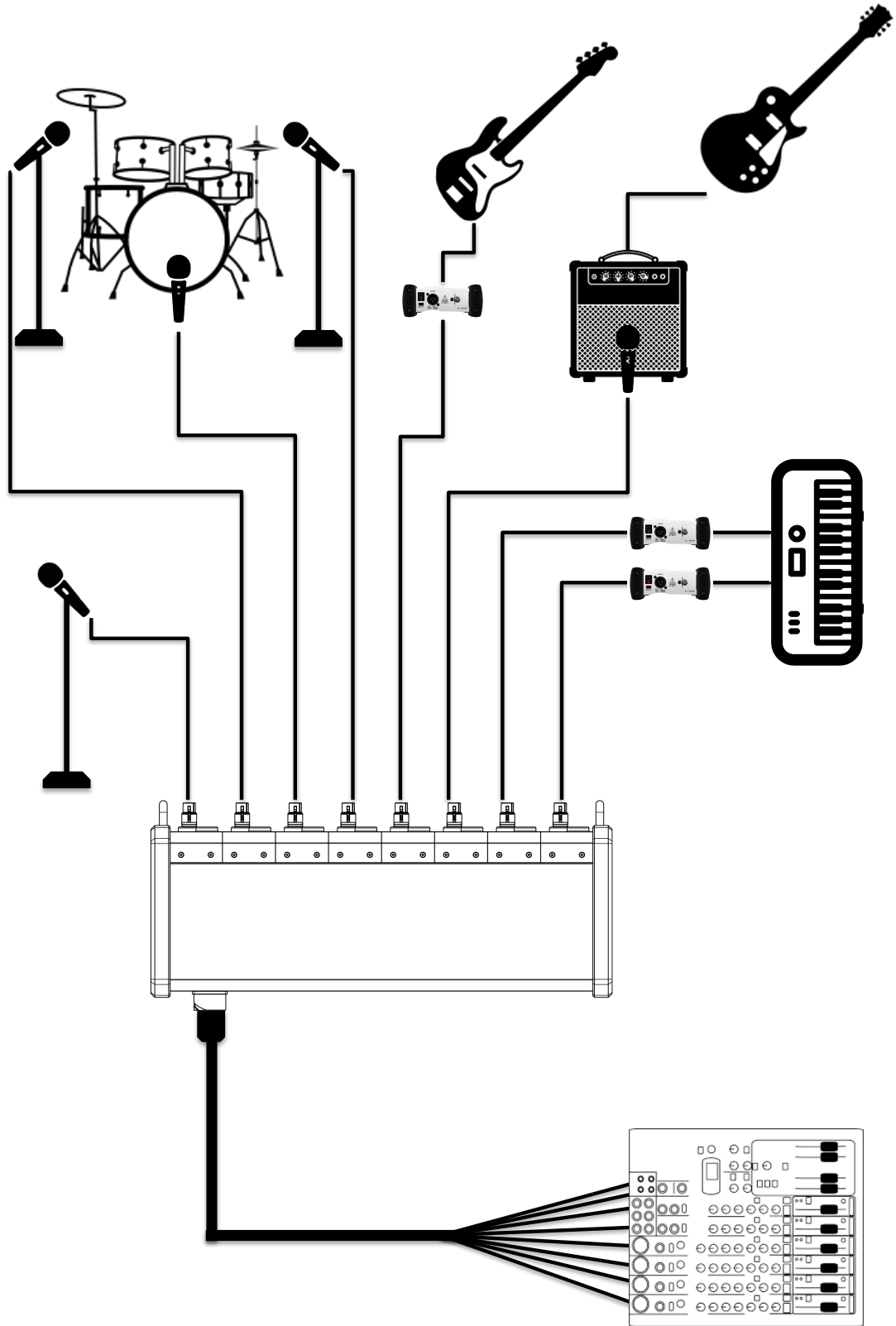
Re-winding the Cable

- Switch off (MUTE or OFF) the channel(s) at the audio mixer to which the device is connected.
- Remove the socket(s) from the source (microphone, instrument, etc.).
- Check that there are no obstructions on the cables.
- Press the button once to wind the cable.
- Signal cable fully re-winded.
- If the signal cable does not need to be fully wound, you can deactivate this function. To do this, hold the signal cable in your hand during rewinding and briefly pull out the cable where the winding must be terminated.



Note: In some cases, the wound cable may overlap in the winder wheel, which may cause the winding process to stop. When this happens, pull out the cable and press the button again.

Sample Wiring Diagram



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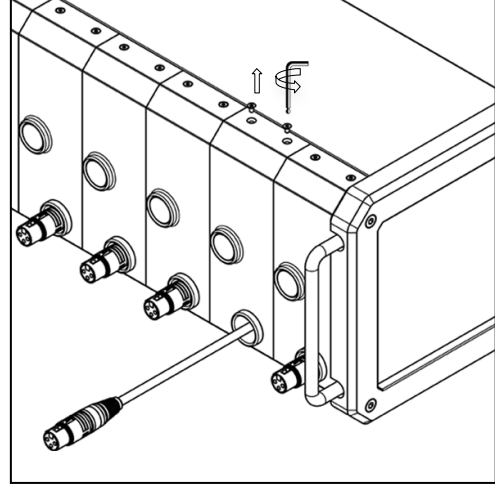
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Troubleshooting

Re-winder Removal Process

- Damaged signal cable of the device must only be replaced with the new cable reel as a whole.
- Pull out damaged cable a length of 1 Meter.
- Remove the 4 bolts at the front cover mounting located above and below the front covers using the required tools.
- Pull the cover slightly out from the box.
- Press the tabs on the upper and lower slides inside the main body with the help of a tool, and pull the winder out.



Re-winder installation (Replacement) Process

- Unpack the new re-winder.
- Insert re-winder into channels and push in. Make sure that the socket on the re-winder and the socket on the main body are connected properly.
- Install under and above a total of 4 front cover mounting bolts of the front covers using the required.

Note: Detailed images and videos regarding troubleshooting can be found on our website (www.cabrox.com).

Customer Service

Contact info@cabrox.com for all request and inquiries.

Warranty

Warranty period is 2 years.

More information regarding the warranty applicable to your country of CabroX Customer Service (info@cabrox.com) can learn.

Accessories and Spare Parts that Can be Purchased Later

Please visit our website for updated accessories (www.cabrox.com).

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Technical Data

cabroX®

miniX**CX4** PRO**CX8** PRO**CX12** PRO

MODELS SPECIFICATIONS

Models	Number of Cable Rewinder	Cable Length	Cable Connectors	Dimensions	Weight	Back Card Options
miniX	2	7,5m	3 pin Female XLR	185 x 270 x 210 mm	4.8 Kg	- AnCAT4 - XLR-12
CX4 Pro	4	7,5m	3 pin Female XLR	321 x 270 x 210 mm	6.4 Kg	- AnCAT4 - Di-Co4 - MP-18 - AnCAT8 - DB-18
CX8 Pro	8	7,5m	3 pin Female XLR	595 x 270 x 210 mm	10.5 Kg	- Di-Co8 - MP-12
CX12 Pro	12	7,5m	3 pin Female XLR	385 x 458 x 210 mm	15.2 Kg	- Di-Co12

XLR CONNECTORS SPECIFICATIONS

ELECTRICAL

Capacitance between contacts	≤ 4 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current per contact	1 A
Rated voltage	< 50 V

ENVIRONMENTAL

Flammability	UL 94 HB
Standard compliance	IEC 61076-2-103
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C

MECHANICAL

Cable O.D.	3.5 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	0.22 - 0.34 mm²
Wiresize	24 - 22 AWG
Wiring	Crimp contacts
Locking device	Latch lock

MATERIAL

Boot	Polyurethan
Contact plating	2 µm Ag
Contacts	Bronze (CuSn8)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal (POM)

SIGNAL CABLE SPECIFICATIONS

TECHNICAL DATA

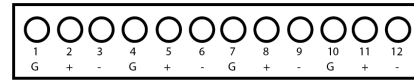
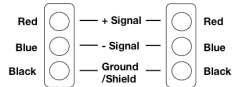
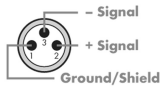
Jacket Ø [mm]	PVC 6.5 mm
Inner conductor	2 x 0.34 mm² (AWG22)
Copper strands per conductor	19 x 0.15 mm
Conductor insulation	PE 1.50 mm
Shielding	Copper-braided shielding with 0.15 mm indiv. strands
Shielding factor	95%
Temperature range	-25°C...+70°C
Fire load per m	0.22 kWh
Weight per 1 m	48 g

ELECTRICAL DATA

Capac. cond./cond. per 1 m	58 pF
Capac. cond./shield. per 1 m	115 pF
Conductor resistance per 1 km	< 55 Ω
Shield. resistance per 1 km	25 Ω
Insulation resist. per 1 km	> 1 GΩ
Surge impedance	approx. 100 Ω

XLR CONECTOR SYSTEMS CONNECTOR

BACK CARD'S SOCETS SYSTEMS



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