

KabelDirekt 822

KabelDirekt 822 SATA III Data Cables User Manual

Model: 822

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1. INTRODUCTION

This manual provides instructions for the KabelDirekt 822 SATA III data cables. These cables are designed to connect internal storage devices such as Hard Disk Drives (HDDs) and Solid State Drives (SSDs) to your computer's motherboard, facilitating high-speed data transfer.



Image 1.1: KabelDirekt 822 SATA III Data Cables. These cables are used for connecting internal storage devices to a motherboard.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- Ensure your computer is powered off and unplugged from the wall outlet before opening the case or installing any components.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the computer case) before handling internal components.
- Handle cables by their connectors, not by the cable itself, to prevent damage.
- Avoid bending cables sharply, especially near the connectors.

3. SETUP AND INSTALLATION

Follow these steps to properly install your KabelDirekt SATA III data cables:

1. **Prepare Your System:** Power down your computer and disconnect it from the power source. Open the computer case to access the motherboard and storage drive bays.
2. **Identify Connectors:** Locate the SATA data ports on your motherboard and the SATA data ports on your HDD, SSD, or optical drive. SATA data connectors are typically L-shaped.



Image 3.1: A KabelDirekt SATA data cable connected to a storage drive. Ensure the L-shaped connector aligns correctly.

3. **Connect to Storage Device:** Take one end of the KabelDirekt SATA data cable and firmly insert it into the SATA data port on your storage device (HDD, SSD, or optical drive). The metal latch on the connector will secure it in place.
4. **Connect to Motherboard:** Take the other end of the SATA data cable and connect it to an available SATA data port on your motherboard. Ensure it is fully seated and the latch engages.

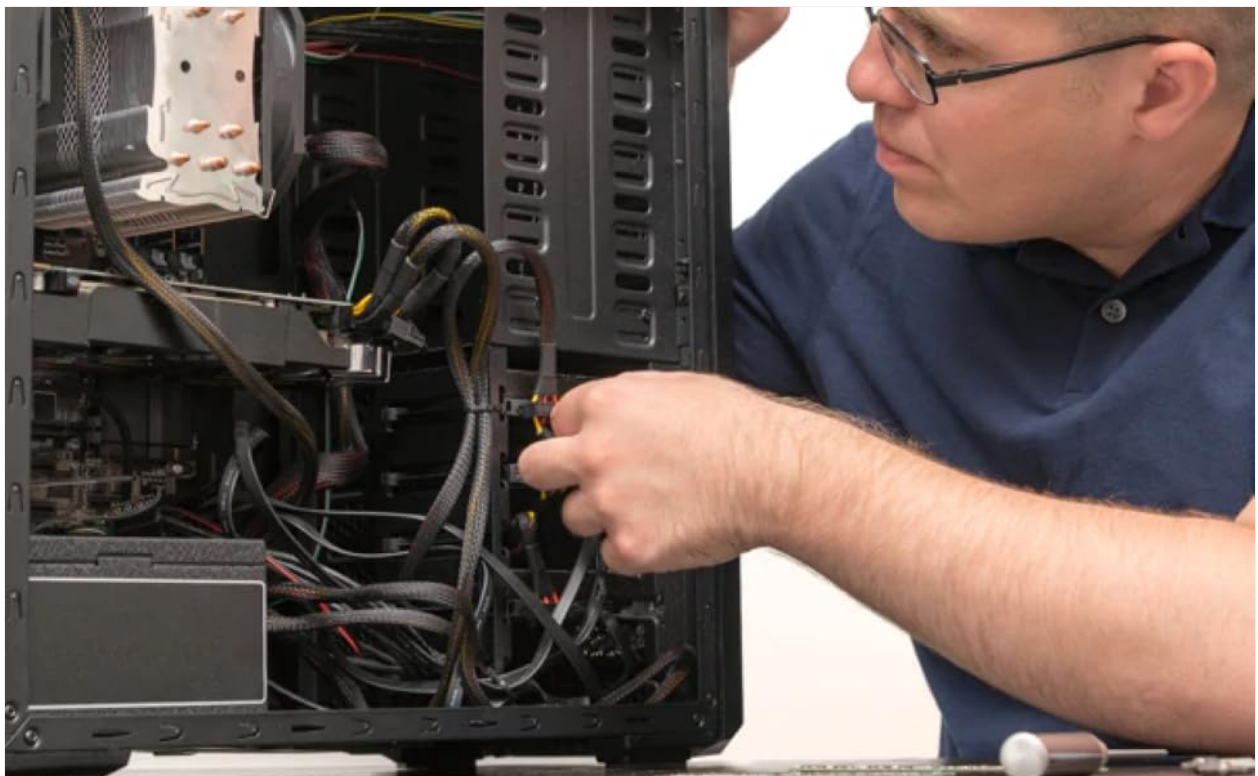


Image 3.2: A user connecting internal components. Proper cable routing helps maintain airflow.

5. **Cable Management:** Route the cables neatly within your computer case to improve airflow and aesthetics. The flat design of these cables assists with organization.



Image 3.3: Example of organized cable routing inside a computer case using KabelDirekt SATA cables.

6. **Power Connection:** Remember that SATA data cables only transfer data. Your storage device will require a separate SATA power cable from your power supply unit (PSU) to function.
7. **Close Case and Power On:** Once all connections are secure, close your computer case, reconnect the power, and power on your system.

4. OPERATION

The KabelDirekt 822 SATA III data cables are designed for reliable and high-speed data transfer. Once correctly installed, they enable communication between your motherboard and connected storage devices.

- **Data Transfer Speed:** These cables support the SATA III standard, offering data transfer speeds of up to 6 Gigabits per second (6Gb/s). This is ideal for maximizing the performance of modern SSDs.

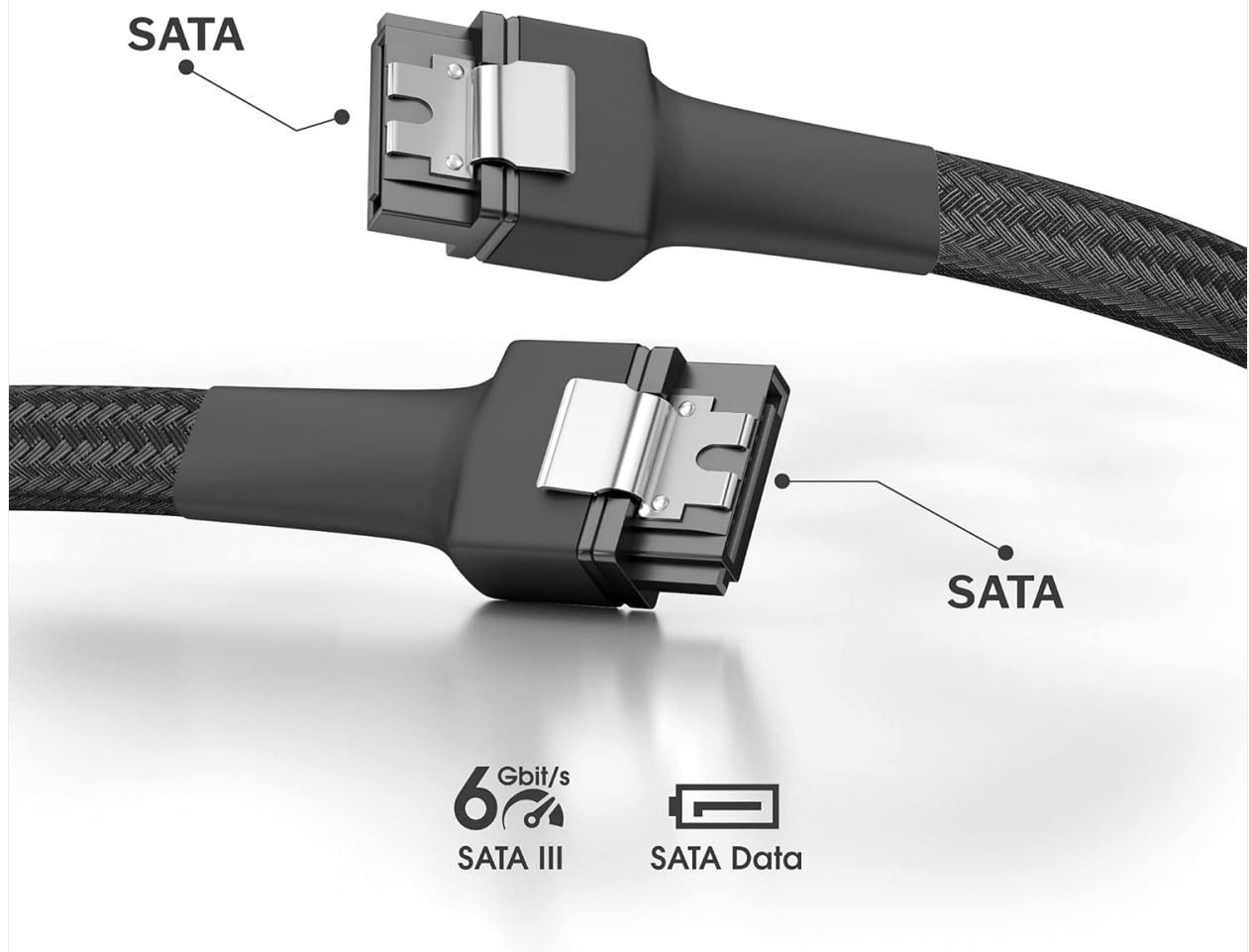


Image 4.1: Detail of KabelDirekt SATA connectors, highlighting SATA III and 6 Gbit/s capabilities.

- **Backward Compatibility:** The cables are fully backward compatible with older SATA I (1.5Gb/s) and SATA II (3Gb/s) standards, allowing them to be used with a wide range of older storage devices and motherboards.
- **Function:** The primary function is to transmit data between the storage device and the motherboard. Power for the storage device must be supplied separately via a SATA power cable from the PSU.

5. MAINTENANCE

KabelDirekt SATA III data cables require minimal maintenance. Following these guidelines will help ensure their longevity and optimal performance:

- **Keep Connections Secure:** Periodically check that the connectors are firmly seated in both the storage device and the motherboard ports. The metal latches are designed to prevent accidental disconnections.
- **Avoid Physical Stress:** Do not pull, twist, or excessively bend the cables. While robust, extreme stress can damage internal wiring.
- **Cleanliness:** If dust accumulates on the cables or connectors, gently wipe them with a dry, lint-free cloth. Ensure no moisture comes into contact with the connectors.
- **Temperature and Environment:** Ensure the cables are not exposed to extreme temperatures or humidity, which can degrade materials over time.

6. TROUBLESHOOTING

If you encounter issues with your KabelDirekt SATA III data cables, consider the following troubleshooting steps:

- **Device Not Detected:**

- Ensure both ends of the SATA data cable are securely connected to the storage device and the motherboard.
- Verify that the storage device is receiving power via a separate SATA power cable from the PSU.
- Try connecting the storage device to a different SATA port on the motherboard.
- Test with a different SATA data cable if available to rule out a faulty cable.
- Check your system's BIOS/UEFI settings to ensure the SATA port is enabled and the drive is recognized.

- **Slow Data Transfer Speeds:**

- Ensure both your storage device and motherboard support SATA III (6Gb/s) speeds. If either component is older, it may operate at SATA I or II speeds.
- Confirm the cable is properly seated. A loose connection can degrade performance.
- Check for other system bottlenecks (e.g., CPU usage, RAM, other background processes).

- **Intermittent Connection:**

- Reseat both ends of the cable.
- Ensure the metal latches on the connectors are fully engaged.
- Inspect the cable for any visible damage or kinks.

7. SPECIFICATIONS

Key technical specifications for the KabelDirekt 822 SATA III Data Cables:



Image 7.1: A KabelDirekt SATA cable illustrating its 60 cm length.

Feature	Detail
Model Number	822
Cable Type	SATA Data Cable
SATA Standard	SATA III (Backward compatible with SATA I & II)
Data Transfer Rate	Up to 6 Gigabits Per Second (6Gb/s)
Length	60 cm (0.6 meters)
Connector Type	7-pin SATA (Straight connector)
Connector Gender	Male-to-Male (for data ports)
Compatible Devices	Hard Disk Drives (HDDs), Solid State Drives (SSDs), CD/DVD/Blu-ray drives/burners, PC Motherboards
Special Features	Metal latches for secure connection, flat cable design for easy organization, robust nylon sheath
Color	Black

Feature	Detail
Product Dimensions	15.24 x 15.24 x 3.05 cm; 38 g (packaging dimensions may vary)


8. WARRANTY & SUPPORT

KabelDirekt products are manufactured to high quality standards. For information regarding warranty coverage and customer support, please refer to the details below:

- **Manufacturer Warranty:** This product comes with a 36-month manufacturer warranty. Please retain your proof of purchase for warranty claims.
- **Customer Support:** For technical assistance, troubleshooting, or warranty inquiries, please visit the official KabelDirekt website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.
- **Online Resources:** Additional support and FAQs may be available on the KabelDirekt website.

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Related Documents - 822

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**HDMI CABLE (OPTICAL)**

[KabelDirekt Toslink Cable User Manual and Installation Guide](#)

A comprehensive guide for KabelDirekt Toslink cables, detailing installation, usage, safety precautions, maintenance, troubleshooting, and technical specifications for high-resolution audio transmission.

KabelDirekt Optical HDMI Cable - Ultra High Speed 48G

Detailed information about the KabelDirekt Optical HDMI Cable, featuring Ultra High Speed 48G, HDCP 2.3, and lossless transmission for 8K signals. Includes technical specifications, safety guidelines, warranty, and environmental disposal information.

	<p>KabelDirekt Garantieinformationen und Garantiebedingungen Idel Versandhandel GmbH</p> <p>Umfassende Garantieinformationen für KabelDirekt-Produkte von Idel Versandhandel GmbH. Erfahren Sie mehr über Abdeckung, Bedingungen, Ausschlüsse und wie Sie Ihre 36-monatige Garantie in Anspruch nehmen.</p>
	<p>MOVIMOT® Unit Profile: Communication and Fieldbus Interfaces Manual</p> <p>This manual provides comprehensive information on the MOVIMOT® Unit Profile, detailing its communication and fieldbus interfaces, including PROFIBUS, INTERBUS, and RS-485. It covers functions, configurations, connections, startup procedures, and technical data for SEW-EURODRIVE's MOVIMOT® AC motors.</p>