

RS232 optical cable



Article Overview

An RS232 optical interface cable transmits serial data while electrically isolating devices to prevent ground loops, surges, and noise interference.

Overview

RS232 optical interface cables are designed to convert standard RS232 signals into optically isolated signals, allowing safe communication between devices such as PCs, data loggers, or industrial equipment. The optical isolation protects sensitive electronics from ground offset errors, static discharge, and electrical noise, which is especially important in low-level analog measurements or industrial environments (Campbell Scientific SC32B) .

Key Features

- **Electrical Isolation:** Prevents damage to devices by isolating the RS232 port from the connected equipment (DTECH RS232 isolator) .
- **Transmission Distance:** Optical RS232 interfaces can transmit data over longer distances than standard RS232 cables, typically up to 50-80 meters depending on the model (W&T model 81009) .
- **Power Requirements:** Some models are self-powered from the RS232 port, while others may require an external power supply for low-power devices .
- **Compatibility:** Works with standard RS232 ports on PCs, data loggers, and other serial devices. Certain models, like the SC32B, are compatible with specific data loggers such as CR800, CR850, and CR1000X

Article Content

PSI-MOS-RS232/FO1300 E

Fiber optic converter with integrated optical diagnostics, alarm contact, for RS-232 interfaces up to 115.2

High-Speed RS232 Isolator, Effective 4-Channel Optical

This port-powered RS232 optical isolator is a reliable and effective protection against all surges, static

RS232/RS485 to Fiber Converters | Industrial Optic Links

High-performance RS232, RS422, and RS485 to fiber converters for industrial use. Long-distance communication, EMI protection,

USB to Serial Adapter

8.3ft (2.5m) 1-Port FTDI USB to Serial RS232 Adapter Cable with Optical Isolation, USB to RS232 Adapter - TAA Add an RS232

Externally Powered RS232 Isolator

2500V optical isolation protects RS232 devices from electrical surges and lightning strikes 2500V optical isolation also eliminates

RS-232 Distance Limit: How Far Can RS232 Run and How to Extend Cable ...

Learn the real RS-232 cable distance limit and how far RS232 can run before data loss occurs. Discover practical

RS-232 optical cable

Find your rs-232 optical cable easily amongst the 5 products from the leading brands (Konica Minolta,

8-Channel High-Speed RS232 Optical Isolator - Effective Protection

An external 9VDC power supply for powering this RS232 optical isolator is included. The external power supply allows for effective

RS232 / RS485 / RS422 to Fiber Optic Converters

Rugged industrial-grade RS232 / RS485 / RS422 to fiber optic converter. Transmits serial data (RS232, RS485 or RS422) over long

Serial-to-Fiber Converters

Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an

RS232 Cable and Connectors Explained | Eaton

RS232 Cable Length and Data Rate RS232 cables can be simple parallel wires or twisted pair up to 15 m (50 ft.), and 1,200 m (4,000

RS-232 & RS-423 Cable

Commonly used in applications like POS and computer communications, RS-232 & RS-423 Cables offer

RS-232 & RS-423 Cable

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Suchergebnis Auf Amazon Für: Optokoppler Rs232

1-48 von mehr als 7.000 Ergebnissen oder Vorschlägen für "optokoppler rs232"
Ergebnisse Erfahre mehr über diese Ergebnisse. Auf

Industrial Serial RS232 RS485 RS422 to Fiber

Overview Industrial RS232/RS485/RS422 to fiber optic converter solves the problems of electromagnetic

Serial cable

A serial cable or RS-232 cable is a cable used to transfer information between two devices using a serial

Interface

The model 81009 Interface transmits serial RS232 data via plastic duplex fibers over a distance of up to 80

Serial Communications Protocol Tech Note

2.1 OCEAN OPTICS RS-232 CABLE ASSEMBLY Below is a drawing for the Ocean Optics RS-232 cable accessory with details on

Optical RS232 Cables

Find Optical RS232 Cables related suppliers, manufacturers, products and specifications on GlobalSpec - a trusted source of Optical

Contact Us

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