USB Type C Cable Practicality

The USB Type C interface has been widely adopted in many devices due to several benefits it has over other USB technologies. Some of these include reversibility and backwards compatibility. As a result of these benefits, the Connective Peripherals USB Type C cables have incredible practicality.

Compatibility with New Devices

Over time, more new electronic devices will be produced with USB Type C interfaces. Consequently, older connectors will become incompatible or require an adapter for connection. It is now also common for newly produced computers to only have USB Type C ports, making it very beneficial to use a Connective Peripherals USB Type C cable for connecting devices as no adapter is needed.

Reversibility

The USB Type C connector design makes connections hassle free. The reversibility of the connector allows it to be inserted in both orientations as connector pins are the same on either side. Connectors are also designed to be highly durable in order to withstand significantly more insertion and removal cycles than previous USB connectors.

Backwards Compatibility

Backwards compatibility is supported which is beneficial for connecting older devices. For example, a USB A 2.0 standard connector can be used with a USB C 3.1 port. A suitable adapter is required to allow connection between USB Type C and Type A ports/connectors, in contrast to the Connective Peripherals USB Type C cables where an adapter is not a requirement to connect your device. It is important to note that the device will operate at the speed and capability of the older standard, which in this example would be USB 2.0.

Connective Peripherals USB Type C Cables

A wide variety of USB Type C cables are available from Connective Peripherals that are an ideal choice for connecting serial devices to your computer. Some of the options available are detailed below:

- **USB Type-C to RS232 (DB9)**
    - Convert USB to an RS232 serial interface with male DB9 connector
- **USB Type-C to RS232 (wire ended)**
    - Wire ended to allow flexibility in connector choice
- **USB Type-C to High Speed MPSSE**
    - Convert USB to a range of protocols including UART, SPI, I2C and JTAG
- **USB Type-C to TTL UART**
    - Convert USB to TTL UART with 3.3V or 5V versions
- **USB Type-C to High Speed UART**
    - Convert USB to a high speed UART serial interface with data transfer rates up to 12 MBaud

Applications

Some possible applications of the Connective Peripherals USB Type C cables include:

- USB to serial RS232/TTL level converters
- USB to JTAG/I^{2}C/SPI converters
- Rapid USB integration into existing electronic systems
- Industrial automation control and PLC programming
- Prototyping platform for USB interfaces on new systems
- Interfacing MCU / PLD / FPGA based designs to USB
- Upgrading legacy peripherals to USB
- USB Software / Hardware Encryption Dongles

For more information, please visit: www.connectiveperipherals.com