

TSX PCX 1031 Version A Multifunction communication cable

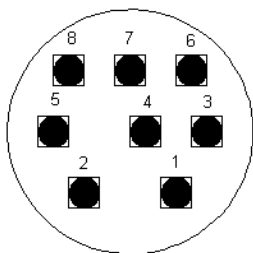
Features

1. Male 8 pin mini DIN connector -> Terminal port (RS485)
2. Connector -> Serial devices (RS232)
3. Converter including rotary switch 4 positions to select different operation modes.
4. Cable (2.5 meters)

Operating temperature : 0-60°C

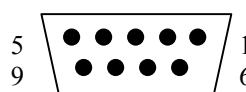
Pin out of connectors

Male 8 pin mini DIN



- | | |
|----------|-------------------------------|
| 1. D (A) | RS485 Signal |
| 2. D (B) | RS485 Signal |
| 3. NC | Not connected |
| 4. /DE | Negative Data Transmit Enable |
| 5. DPT | TER Port mode control (1) |
| 6. NC | Not connected |
| 7. 0 V | GND |
| 8. 5 V | Logical VCC |

Female 9 pin SubD



- | |
|--------|
| 1. DCD |
| 2. RX |
| 3. TX |
| 4. DTR |
| 5. SG |
| 6. NC |
| 7. RTS |
| 8. CTS |
| 9. NC |

(1) Pull up to high internally by PLC. It's necessary connect DPT to GND when TER port is not in mode of Uni-Telway master

Introduction

The TSX PCX 1031 cable is a multifunction communication cable supporting conversion of RS485 signals to RS232 signals. It provides connection between a PLC (Twido, Nano, Micro, Premium, Neza) and various RS232 series devices.

The different series mode functions are selected according to the position of the rotary switch accessible on the converter unit.

Rotary Switch Position	Function	/DPT Signal	RTS Signal
0	TER MULTI - Connection in point-to-point or multipoint mode. Forces the terminal port in master mode, protocol by default (replaces cable ref TSX PCU 1031) (1) PC <> Micro or Premium (Unitelway) PC <> TSXPCX1031 <> TSXPACC01 <> Twido	1	Yes
1	OTHER MULTI - Connection in multipoint mode. Other types of communication (replaces cable reference TSX PCD 1030).	0	Yes
2	TER DIRECT – TWIDOSOFT Connection in point-to-point mode. Forces the terminal port in master mode, protocol by default (replaces cables reference TSX PCX 1030, switch in master position and TSX PCU 1030) PC (Twidosoft) <> Twido (Modbus)	1	No
3	OTHER DIRECT - Connection in point-to-point mode. Other types of communication defined by PLC configuration (replaces cable reference TSX PCX 1030, switch in slave position). PC (ASCII) <> Twido (ASCII port 1)	0	No

(1) Also replaces cable reference TSX PCU 1030 in multipoint mode. In this case, you need to update the Uni-telway driver