

# Universal cable RS485

Available in various length:

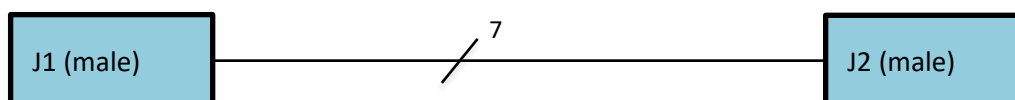
|            |                      |                |
|------------|----------------------|----------------|
| 0.5 meter  | P/N: 029-005-878-001 | weight 0.08 kg |
| 1.0 meter  | P/N: 029-010-878-001 | weight 0.10 kg |
| 1.5 meter  | P/N: 029-015-878-001 | weight 0.13 kg |
| 2.5 meter  | P/N: 029-025-878-001 | weight 0.18 kg |
| 5.0 meter  | P/N: 029-050-878-001 | weight 0.30 kg |
| 10.0 meter | P/N: 029-100-878-001 | weight 0.55 kg |
| 15.0 meter | P/N: 029-150-878-001 | weight 0.80 kg |

Variant: male, male

| Common Characteristics | Value          |
|------------------------|----------------|
| Rated current (40 °C)  | 1 A            |
| Rated voltage          | 125 V          |
| Rated impulse voltage  | 1500 V         |
| Operating temperature  | -30°C ... 80°C |
| Minimum bending radius | 6 cm           |

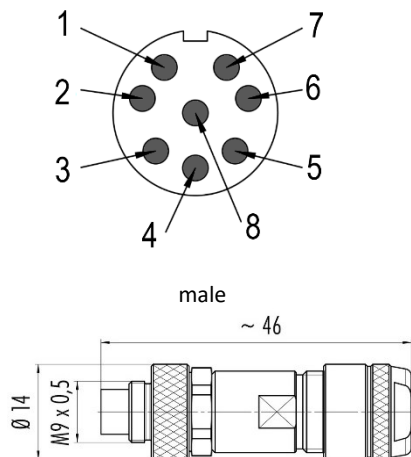
| Connector Characteristics | Value               |
|---------------------------|---------------------|
| Number of contacts        | 8p                  |
| Pin contact               | CuZn (brass)        |
| Contact plating           | Au (Gold/gold)      |
| Male insert               | PBT (UL 94 V-0)     |
| Type                      | Male, M9            |
| Mechanical operation      | > 500 mating cycles |

| Cable Characteristics  | Value  |
|------------------------|--|
| Outer sheath           | PVC-basis, IEC 60332.1   |
| Core insulation        | PVC-basis TI1  |
| Norm                   | CH-N03VC4V-F tested<br>UL AWM Style 2464, 300 V, 80° C<br>CSA C222.2 No. 210 AWM 2nd Edition |
| Cable outside diameter | Ø 5.0 ±0.5 mm  |



## Pinout Port J1, J2

Both connectors have the same pinout.



Please note: The minimum bending radius of the cable must also be taken into account

| Pin | Name     | Description                                  |
|-----|----------|--|
| 1   | +24 V DC | + 24 V DC power                              |
| 2   | GND      | Ground                                       |
| 3   | + 5 V DC | +5 V DC power                                |
| 4   | RTA / TX | WYLER RS485 channel A or RS232 transmit line |
| 5   | RTB      | WYLER RS485 channel B                        |
| 6   | RX       | RS232 receive line                           |
| 7   | RTS      | RS232 request to send                        |
| 8   |          | Reserved (unconnected)                       |

### Please Note:

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 Ncm).