

Universal cable RS485 – halogen-free

Available in various length:

1.0 meter	P/N: 029-010-878-2001	weight 0.10 kg
2.5 meter	P/N: 029-025-878-2001	weight 0.18 kg
5.0 meter	P/N: 029-050-878-2001	weight 0.30 kg
10.0 meter	P/N: 029-100-878-2001	weight 0.55 kg
18.0 meter	P/N: 029-180-878-2001	weight 0.95 kg

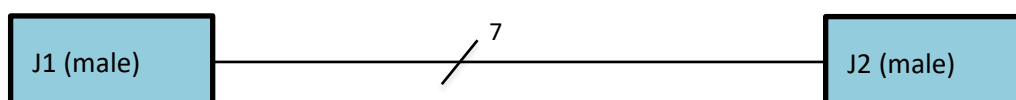
Maximum length 18.0 meters

Variant: male, male

Common Characteristics	Value
Rated current (40 °C)	1 A
Rated voltage	125 V
Rated impulse voltage	1500 V
Operating temperature	-40 ... 85°C
Minimum bending radius	5 cm

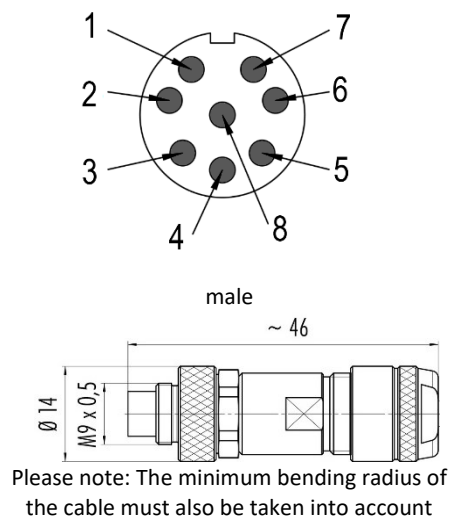
Connector Characteristics	Value
Number of contacts	8p
Pin contact	CuZn (brass)
Contact plating	Au (Gold/gold)
Male insert	PBT (UL 94 V-0)
Type	Male, M9
Mechanical operation	> 500 mating cycles

Cable Characteristics	Value
Outer sheath	special TPE,
Core insulation	special halogen-free compound
Halogen-free	according to IEC60754-1
UV & weather-resistant to	EN 50396 and HD 605 S2
Low corrosivity / acidity of combustion gases	Per IEC 60754-2
Low toxicity of combustion gases	Per EN 50305
Low smoke density	acc. to IEC 61034-2
Cable outside diameter	Ø 5.0 ±0.5 mm



Pinout Port J1, J2

Both connectors have the same pinout.



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).