

WYLER AG, Im Hölzli 13 CH-8405 Winterthur	Datasheet universal bus extension RS485	949-DB-0014
		Revision: 5.0
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Universal bus extension RS485

Available in various length:

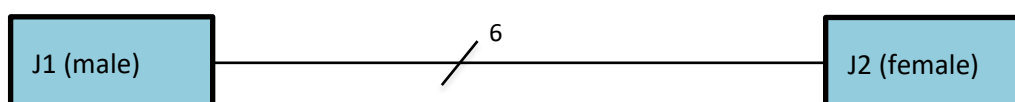
30 meter	P/N: 029-300-868-002	weight 4.7 kg (cable only 1.6 kg)
50 meter	P/N: 029-500-868-002	weight 5.6 kg (cable only 2.5 kg)
100 meter	P/N: 029-100M868-002	weight 8.0 kg (cable only 4.9 kg)

Variant:	male, female
Assembled:	- cable reel - female fixed on reel - fixed cable length 2 meter (included in total length count)

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

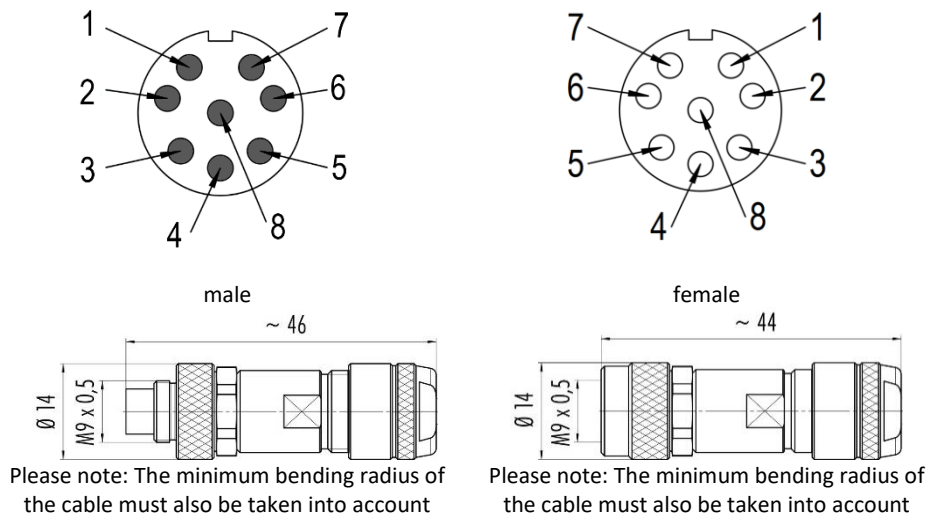
Cable Characteristics	Value
Outer sheath	PVC-basis, IEC 60332.1
Core insulation	PVC-basis TI1
Norm	CH-N03VC4V-F tested UL AWM Style 2464, 300 V, 80° C CSA C222.2 No. 210 AWM 2nd Edition
Cable outside diameter	∅ 5.5 ±0.5 mm



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Pinout Port J1, J2

Both connectors have the same pinout.



Pin	Name	Description	Cable
1	+24 V DC	+ 24 V DC power	twisted pair
2	GND	Ground	
3	---	Reserved (unconnected)	twisted pair
4	RTA	WYLER RS485 channel A or RS232 transmit line	
5	RTB	WYLER RS485 channel B	
6	---	Reserved (unconnected)	
7	---	Reserved (unconnected)	
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).