

# Connection Cable

M12 × 1; 4-pin

## BG2SG2V1-2M

Part Number



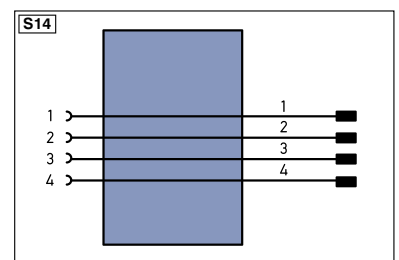
### Technical Data

#### Mechanical Data

Cable Length	2 m
Connection Type	Socket, Plug
Version	straight
Degree of Protection	IP67
Temperature Range	-25...90 °C
Material Cable Jacket	PVC
Material Wire Isolation	PVC
Material Cap Nut	CuZn
Packaging unit	1 Piece

Connection Diagram No.	<b>S14</b>
Connection Technology No.	<b>2 2s</b>

- Buchse M12 × 1, straight
- Plug M12 × 1, straight



#### Legend

+	Supply Voltage +	nc	not connected	
-	Supply Voltage 0 V	U	Test Input	
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted	
A	Switching Output (NO)	W	Trigger Input	
Ā	Switching Output (NC)	O	Analog Output	
V	Contamination/Error Output (NO)	O-	Ground for the Analog Output	
Ṽ	Contamination/Error Output (NC)	BZ	Block Discharge	
E	Input (analog or digital)	Aw	Valve Output	
T	Teach Input	a	Valve Control Output +	
Z	Time Delay (activation)	b	Valve Control Output 0 V	
S	Shielding	SY	Synchronization	
RxD	Interface Receive Path	E+	Receiver-Line	
TxD	Interface Send Path	S+	Emitter-Line	
RDY	Ready	≡	Grounding	
GND	Ground	SnR	Switching Distance Reduction	
CL	Clock	Rx+/-	Ethernet Receive Path	
E/A	Output/Input programmable	Tx+/-	Ethernet Send Path	
	IO-Link	Bus	Interfaces-Bus A(+)/B(-)	
PoE	Power over Ethernet	La	Emitted Light disengageable	
IN	Safety Input	Mag	Magnet activation	
OSSD	Safety Output	RES	Input confirmation	
Signal	Signal Output	EDM	Contactor Monitoring	

#### Wire Colors according to DIN IEC 757

BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green Yellow