

# Connecting cables for valves, plug pattern ZC, self-tapping screw

Type codes

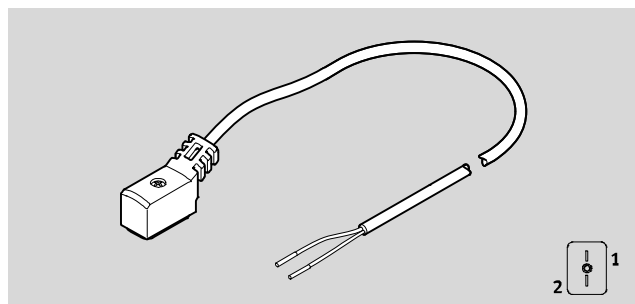
		NEBV	-	Z3	WA	2	L	-	R	-	E	-	5	-	N	-	LE	2	-	S1
<b>Function</b>																				
NEBV	Connecting cables for valves																			
<b>Connection technology on left, field device side</b>																				
Z3	Socket, plug pattern ZC, self-tapping screw																			
<b>Cable outlet left</b>																				
WA	Angled 45°																			
<b>Number of pins/wires, left</b>																				
2	2-pin																			
<b>Display</b>																				
L	Signal status LED																			
<b>Circuitry</b>																				
R	Holding current reduction with integrated protective circuit																			
<b>Cable characteristic</b>																				
E	Suitable for energy chains																			
<b>Cable length</b>																				
2,5	2.5 m																			
5	5 m																			
10	10 m																			
<b>Cable designation</b>																				
N	Without inscription label holder																			
<b>Connection technology on right, controller side</b>																				
LE	Open end																			
<b>Number of pins/wires, right</b>																				
2	2-wire																			
<b>Degree of protection for electrics</b>																				
S1	IP65																			

## Connecting cables for valves, plug pattern ZC, self-tapping screw

Technical data

### Connecting cable NEBV-Z3WA2L

- Connecting cable
- Pre-assembled at both ends
- For connecting valves



General technical data	
Electrical connection 1	
Function	Field device side
Connection type	Socket
Cable outlet	Angled
Constructional design	Square
Connection technology	Plug pattern ZC, self-tapping screw
Number of pins/wires	2
Assigned pins/wires	2
Type of mounting	On solenoid valve via self-tapping screw
Signal status display	Yellow LED
Additional functions	Holding current reduction, protective circuit
Electrical connection 2	
Function	Controller side
Connection type	Cable
Connection technology	Open end
Number of pins/wires	2
Assigned pins/wires	2

Technical data – Electrical		
Nominal operating voltage	[V DC]	24
Operating voltage range	[V DC]	20.4 ... 26.4
Surge resistance	[kV]	2.4
Degree of contamination		3
Connection frequency		50
Protection against polarity reversal		Bipolar
Protective earth connection		Not present

Technical data – Cable		
Cable composition	[mm <sup>2</sup> ]	2 x 0.14
Cable diameter	[mm]	2.9
Cable diameter tolerance	[%]	±0.1
Conductor nominal cross section	[mm <sup>2</sup> ]	0.14
Cable characteristic		Suitable for use with energy chains
Cable test conditions		Test conditions on request
Bending radius, flexible cable installation	[mm]	≥29
Cable identification		Without inscription label holder


# Connecting cables for valves, plug pattern ZC, self-tapping screw

Technical data

Materials	
Housing	TPE-U(PU)
Housing colour	Black
Insulating sheath	PP
Screws	Steel
Pin contacts	Tin-plated copper alloy
Cable sheath	TPE-U (PUR)
Cable sheath colour	Grey
Note on materials	RoHS compliant

Operating and environmental conditions	
Ambient temperature [°C]	−10 ... +50
CE marking (see declaration of conformity)	To EU EMC Directive <sup>1)</sup>
Degree of protection	IP65
Note on degree of protection	In mounted state

- 1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: [www.festo.com/sp](http://www.festo.com/sp) → Certificates.  
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Circuitry (socket/plug view)				
Electrical connection 1	Pin	Wire colour <sup>1)</sup>	Pin	Electrical connection 2
	1	BK	–	Open end
	2	BK	–	

- 1) To IEC 757

Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

The image shows a technical drawing of a cable connector assembly. It includes a side view on the left and a perspective view on the right. The side view shows a rectangular base with a mounting screw (1) on top. The width is labeled B1, and the length of the base is labeled L5. The perspective view shows the base with dimensions L1 (total length), L2 (base length), and H1 (height). A cable (3) is attached to the base, with a diameter D1 and a length L3. A wire-end sleeve (2) is at the end of the cable. The cable length L3 is noted as depending on the order.

1 Mounting screw

2 Wire-end sleeve

3 Cable, length depending on order

Type	B1	D1 Ø	H1	L1	L2	L3	L5
NEBV-Z3WA2L	9.7	2.9	12.4	26.9	19	50	8.4

## Connecting cables for valves, plug pattern ZC, self-tapping screw

Technical data

Ordering data				
Electrical connection	Cable length [m]	Weight [g]	Part No.	Type
Angled socket, plug pattern ZC, self-tapping screw	2.5	50	<b>8047676</b>	<b>NEBV-Z3WA2L-R-E-2.5-N-LE2-S1</b>
	5	90	<b>8047677</b>	<b>NEBV-Z3WA2L-R-E-5-N-LE2-S1</b>
	10	170	<b>8047675</b>	<b>NEBV-Z3WA2L-R-E-10-N-LE2-S1</b>

## Connecting cables for valves, plug pattern ZC, self-tapping screw

Ordering data – Modular product system

Ordering table			Condi- tions	Code	Entry code
<b>[M]</b>	Module no.	<b>8003577</b>			
	Connecting cable	Connecting cables for valves		<b>NEBV</b>	NEBV
	Connection technology on left, field device side	Socket, plug pattern ZC, self-tapping screw		<b>-Z3</b>	-Z3
	Cable outlet, left	Angled 45°		<b>WA</b>	WA
	Number of pins/wires, left	2-pin		<b>2</b>	2
	Display	Signal status LED		<b>L</b>	L
	Circuitry	Holding current reduction with integrated protective circuit		<b>-R</b>	-R
	Cable characteristic	Suitable for use with energy chains		<b>-E</b>	-E
	Line length [m]	2.5		<b>-2,5</b>	
		5		<b>-5</b>	
		10		<b>-10</b>	
	Cable identification	Without inscription label holder		<b>-N</b>	-N
	Connection technology on right, control side	Open end		<b>-LE</b>	-LE
	Number of pins/wires, right	2-pin		<b>2</b>	2
	Degree of protection for electrics	IP65		<b>-S1</b>	-S1

**[M]** Mandatory data

**[O]** Options

### Transfer order code

**8003577** **NEBV** – **Z3** **WA** **2** **L** – **R** – **E** – **N** – **LE** **2** – **S1**