

## Connecting cable KVI

**FESTO**



Type code

<b>001</b>	<b>Series</b>	
<b>KVI</b>	Connecting cable	
<b>002</b>	<b>Use</b>	
<b>CP</b>	CPI interface	
<b>003</b>	<b>Cable characteristic</b>	
<b>3</b>	Suitable for energy chains	
<b>004</b>	<b>Connection technology left, field device side</b>	
<b>GS</b>	Straight plug	
<b>WS</b>	Angled plug	

<b>005</b>	<b>Connection technology on the right, controller side</b>	
<b>GD</b>	Straight socket	
<b>WD</b>	Angled socket	
<b>006</b>	<b>Cable length [m]</b>	
<b>0,25</b>	0.25 m	
<b>0,5</b>	0.5 m	
<b>2,0</b>	2 m	
<b>5,0</b>	5 m	
<b>8,0</b>	8 m	

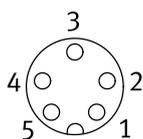
## Datasheet

### General technical data

Connecting cable specifically for connecting components of the installation system CPI.

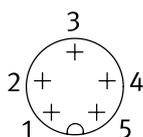
Frequency of connection	500
Cable designation	With accessories
Additional functions	Contact 3 of socket 1 mm leading

### Technical data – Electrical connection 1



Electrical connection 1, connector system	M9x0.5
Electrical connection 1, function	Field device side
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight, Angled
Electrical connection 1, design	Round
Electrical connection 1, number of connections/cores	5
Electrical connection 1, used connections/cores	5
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, tightening torque	0.4 Nm

### Technical data – Electrical connection 2



Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight, Angled
Electrical connection 2, design	Round
Electrical connection 2, connector system	M9x0.5
Electrical connection 2, number of connections/cores	5
Electrical connection 2, used connections/cores	5
Electrical connection 2, type of mounting	Screw-type lock
Electrical connection 2, tightening torque	0.4 Nm

## Datasheet

## Technical data – Electrical components

Operational voltage range DC	0 ... 30 V
Immunity to surge	1.5 kV
Current rating at 40° C	1.6 A
Note on permissible current load at 40°C	2.3 A for 0.34 mm <sup>2</sup> 3.6 A for 0.49 mm <sup>2</sup>
Pollution degree	1
Shielding	yes

## Technical data – Cable

Cable diameter	5.5 mm
Cable characteristic	Suitable for energy chains
Bending radius, moving cable	≥75 mm
Test conditions cable	Test conditions on request
Cable structure	2 x 0.25 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup> + 0.49 mm <sup>2</sup>
Nominal cross section conductor	0.25 mm <sup>2</sup> 0.34 mm <sup>2</sup> 0.49 mm <sup>2</sup>

## Materials

Material housing	PA; PBT; TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material electrical contact	Gold-plated bronze; Gold-plated brass
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Material insulating sheath	TPE-U(PUR)
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

## Operating and environmental conditions

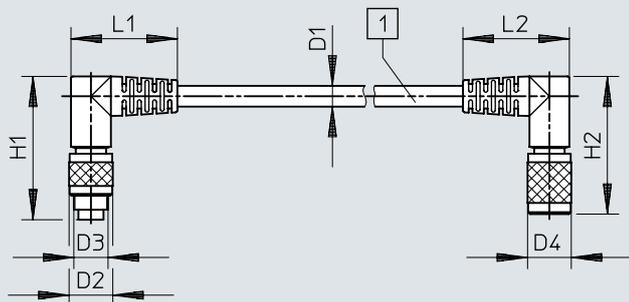
Ambient temperature	-20 ... 80°C
Ambient temperature with moving cable	-5 ... 80°C
Corrosion resistance class CRC <sup>1)</sup>	1 - Low corrosion stress
CE mark (see declaration of conformity) <sup>2)</sup>	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Degree of protection	IP65; IP67
Note on degree of protection	In assembled state

1) More information [www.festo.com/x/topic/kbk](http://www.festo.com/x/topic/kbk)

2) More information [www.festo.com/catalogue/... Support/Downloads](http://www.festo.com/catalogue/... Support/Downloads).

## Dimensions

Dimensions – KVI-CP-3-WSWD-...

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

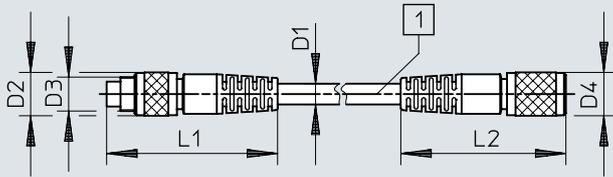
[1] Cable length 0.25 m, 0.5 m, 2 m, 5 m or 8 m, depending on order

	D1 ∅	D2 ∅	D3	D4 ∅	H1	H2	L1	L2
KVI-CP-3-WS-WD	5,5	11,5	M9x0,5	11,5	38	36,5	28	28

## Dimensions

Dimensions – KVI-CP-3-GSGD-...

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



[1] Cable length 2 m, 5 m or 8 m, depending on the order

	D1 ∅	D2 ∅	D3 ∅	D4 ∅	L1	L2
KVI-CP-3-GS-GD	5,5	11,5	M9x0,5	11,5	45	43,5

## Ordering data

Ordering data							
Electrical connection 1, connection type	Electrical connection 1, cable outlet	Electrical connection 2, connection type	Electrical connection 2, cable outlet	Cable length	Product weight	Part no.	Type
Socket	Straight	Plugs	Straight	2 m	113.8 g	540332	KVI-CP-3-GS-GD-2
				5 m	255.4 g	540333	KVI-CP-3-GS-GD-5
				8 m	397 g	540334	KVI-CP-3-GS-GD-8
	Angled		Angled	0.25 m	33.6 g	540327	KVI-CP-3-WS-WD-0,25
				0.5 m	45.4 g	540328	KVI-CP-3-WS-WD-0,5
				2 m	116.2 g	540329	KVI-CP-3-WS-WD-2
				5 m	257.8 g	540330	KVI-CP-3-WS-WD-5
				8 m	399.4 g	540331	KVI-CP-3-WS-WD-8