

Type codes

001	Series
KVI	Connecting cable

002	Use
CP	CPI interface

003	Cable characteristic
3	Suitable for energy chains

004	
GS	Straight plug
WS	Angled plug

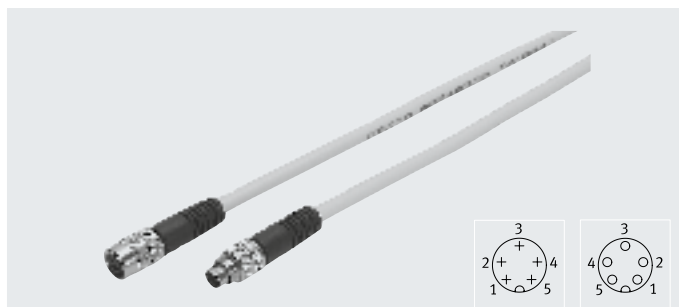
005	Connection technology on the right, controller side
GD	Straight socket
WD	Angled socket

006	Cable length [m]
0,25	0.25 m
0,5	0.5 m
2,0	2 m
5,0	5 m
8,0	8 m

Datasheet

Connecting cable KVI-CP

- Connecting cable
- Pre-assembled at both ends
- For connecting components of the installation system CPI
- Cable lengths 0.25 ... 8 m



General technical data		
Cable designation	Via accessories	
Technical data – Electrical connection 1		
Function	Field device side	
Connection type	Socket	
Cable outlet	Angled/straight	
Design	Round	
Connection technology	M9x0.5	
Number of pins/cores	5	
Assigned pins/cores	5	
Type of mounting	Screw-type lock	
Technical data – Electrical connection 2		
Function	Controller side	
Connection type	Plug	
Cable outlet	Angled/straight	
Design	Round	
Connection technology	M9x0.5	
Number of pins/cores	5	
Assigned pins/cores	5	
Type of mounting	Screw-type lock	
Technical data – Electrics		
Operating voltage range	[V DC]	0 ... 30
Surge resistance	[kV]	1.5
Current rating at 40°C	[A]	1.6
Note on current rating at 40°C		2.3 A for 0.34 mm ²
		3.6 A for 0.49 mm ²
Pollution degree		1
Contact durability		500
Additional functions		Contact 3 of socket 1 mm leading

Datasheet

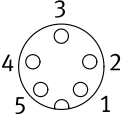
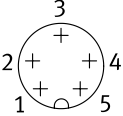
Technical data – Cable			
Cable diameter	[mm]	5.5	
Cable composition	[mm ²]	2x0.25 + 2x0.34 + 0.49	
		Shielded	
Nominal conductor cross section	[mm ²]	0.25	0.34
			0.49
Cable characteristic		Suitable for use with energy chains	
Bending radius, flexible cable installation	[mm]	≥75	
Test conditions, cable		Test conditions on request	

Materials	
Housing	PA, PBT, TPE-U(PUR)
Housing colour	Black
Screw-type lock	Brass, nickel-plated
Pin contacts	Bronze, gold-plated
	Gold-plated brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	TPE-U(PUR)
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and environmental conditions	
Ambient temperature	[°C] –20 ... +80
Ambient temperature with flexible cable installation	[°C] –5 ... +80
Corrosion resistance class CRC ¹⁾	1
CE marking (see declaration of conformity) ²⁾	To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾	To UK RoHS regulations
Degree of protection	IP65
	IP67
Note on degree of protection	In mounted state

1) More information www.festo.com/x/topic/crc2) More information www.festo.com/catalogue/... → Support/Downloads.

Datasheet

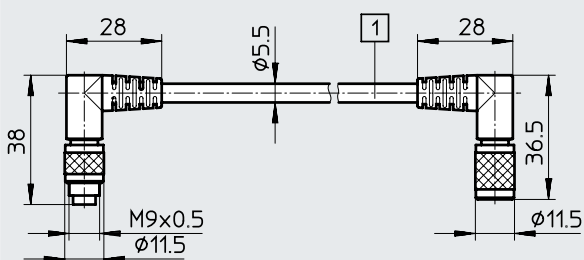
Circuitry (socket/plug view)		Wire colour ¹⁾	
Electrical connection 1	Pin	Pin	Electrical connection 2
	1	YE	1
	2	GY	2
	3	GN	3
	4	WH	4
	5	BN	5
Housing	Shielding	Housing	
			

1) According to IEC 757

Dimensions

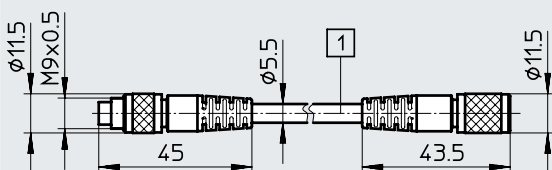
Download CAD data → www.festo.com

KVI-CP-3-WSWD-...



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

KVI-CP-3-GSGD-...

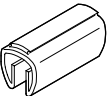


[1] Cable length 2 m, 5 m or 8 m, depending on the order

Ordering data

Electrical connection	Cable length [m]	Weight [g]	Part no.	Type
Straight socket – straight plug	2	113.8	540332	KVI-CP-3-GS-GD-2
	5	255.4	540333	KVI-CP-3-GS-GD-5
	8	397	540334	KVI-CP-3-GS-GD-8
Angled socket – angled plug	0.25	33.6	540327	KVI-CP-3-WS-WD-0.25
	0.5	45.4	540328	KVI-CP-3-WS-WD-0.5
	2	116.2	540329	KVI-CP-3-WS-WD-2
	5	257.8	540330	KVI-CP-3-WS-WD-5
	8	399.4	540331	KVI-CP-3-WS-WD-8

Ordering data – Accessories

		Part no.	Type
	Inscription labels for attaching to a cable with diameter 5 ... 8 mm	33361	KM-BZ