Connecting cables M12x1, 5-pin

Type codes

FESTO

KV	–	M12	–	M12	–	

Function	
KV	Connecting cables

Connection technology on the left, field device side	
M12	Socket M12x1, A-coded, 5-pin

Connection technology on the right, controller side	
M12	Plug, M12x1, A-coded, 5-pin
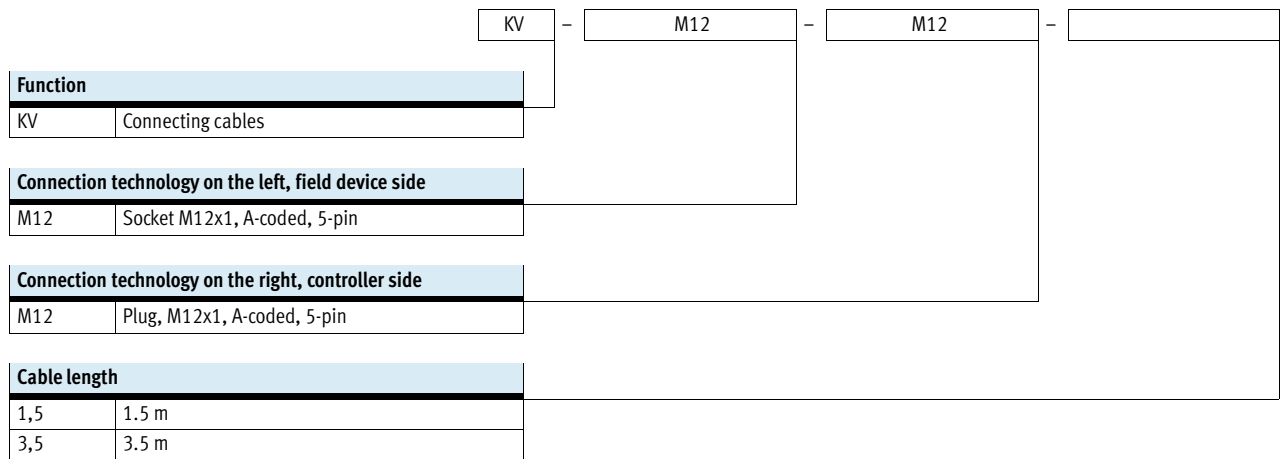
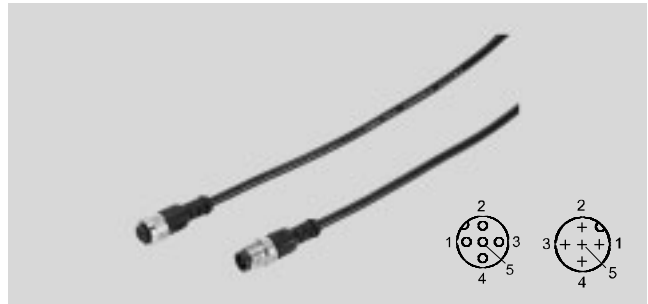| **Cable length**	
1,5	1.5 m
3,5	3.5 m

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Technical data

Connecting cable KV-M12

- Connecting cable
- Preassembled at both ends
- Cable lengths: 1.5 m and 3.5 m

General technical data	
Cable identification	With accessories

Technical data – Electrical connection 1	
Function	Field device side
Connection type	Socket
Cable outlet	Straight
Design	Round
Connection technology	M12x1, A-coded, to EN 61076-2-101
Number of poles/wires	5
Assigned pins/wires	5
Type of mounting	Screw-type lock

Technical data – Electrical connection 2	
Function	Controller side
Connection type	Plug
Cable outlet	Straight
Design	Round
Connection technology	M12x1, A-coded, to EN 61076-2-101
Number of poles/wires	5
Assigned pins/wires	5
Type of mounting	Screw-type lock

Technical data – Electrical		
Operating voltage range	[V DC]	0 … 30
	[V AC]	0 … 30
Surge resistance	[kV]	1.5
Acceptable current load at 40 °C	[A]	4
Contamination level		3
Contact durability		500
Additional functions		Pin 5 of plug leading
Protective earth connection		Not present

Technical data – Cables		
Cable diameter	[mm]	5
Cable design	[mm^2]	4x0.34, screened
Nominal conductor cross section	[mm^2]	0.34
Cable characteristic		Standard
Cable test conditions		Test conditions on request

➜ Internet: www.festo.com/catalogue/...   Subject to change – 2018/10
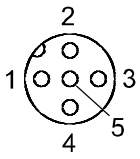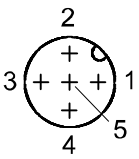
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Technical data

Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Brass, nickel-plated
Seals	FPM
Pin contacts	Bronze, gold-plated
	Brass, gold-plated
Cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Insulating sheath	PVC
Note on materials	RoHS-compliant

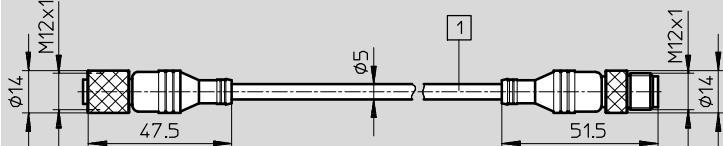| Operating and environmental conditions		
Ambient temperature	[°C]	−25 … +70
Ambient temperature with flexible cable installation	[°C]	−5 … +70
Degree of protection		IP65
		IP67
Note on degree of protection		In assembled state
Corrosion resistance class CRC[1]		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
   Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Circuitry (view of socket/plug connector)				
Electrical connection 1	Pin	Wire colour[1]	Pin	Electrical connection 2
	1	BN	1	
	2	WH	2	
	3	BU	3	
	4	BK	4	
	5	Screened	5	

1) To IEC 757

Dimensions

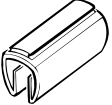Download CAD data ➔ www.festo.com

[1] Cable, length 1.5 m or 3.5 m depending on order

Connecting cables M12x1, 5-pin

Technical data

Ordering data	Cable length [m]	Part No.	Type code
Socket M12x1, 5-pin – plug M12x1, 5-pin	1.5	**529044**	**KV-M12-M12-1,5**
	3.5	**530901**	**KV-M12-M12-3,5**

Ordering data – Accessories			Part No.	Type code
	Inscription labels for placing on a cable with diameter 5 … 8 mm	11x20 mm	**33361**	**KM-BZ**