

Type codes

001	Series
KV	Connecting cable

002	Connection technology left, field device side
M12	Socket M12x1 A-coded, EN 61076-2-101

003	Connection technology right, controller side
M12	Plug M12x1 A-coded, EN 61076-2-101

004	Cable length
1,5	1.5 m
3,5	3.5 m

Datasheet

Connecting cable KV-M12

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



General technical data		
Cable designation	Via 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 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	Straight	
Design	Round	
Connection technology	M12x1, A-coded to EN 61076-2-101	
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
	[V AC]	0 ... 30
Surge resistance	[kV]	1.5
Current rating at 40°C	[A]	4
Contact durability		500
Additional functions	Pin 5 of plug leading	
Pollution degree	3	
Shielding	Yes	
Technical data – Cable		
Cable diameter	[mm]	5
Cable composition	[mm ²]	4x0.34, screened
Nominal conductor cross section	[mm ²]	0.34
Cable characteristic	Standard	
Test conditions, cable	Test conditions on request	

Datasheet

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

Operating and environmental conditions		
Ambient temperature	[°C]	-25 ... +70
Ambient temperature with flexible cable installation	[°C]	-5 ... +70
Corrosion resistance class CRC ¹⁾		2
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/crc

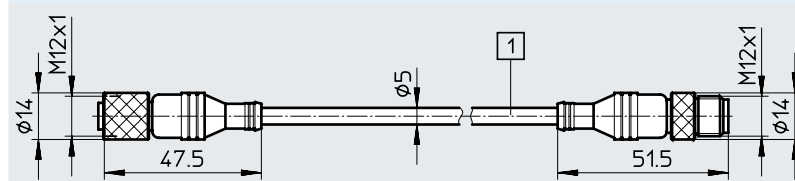
2) More information www.festo.com/catalogue/... → Support/Downloads.

Circuitry (socket/plug view)				
Electrical connection 1	Pin	Wire colour ¹⁾	Pin	Electrical connection 2
	1	BN	1	
	2	WH	2	
	3	BU	3	
	4	BK	4	
	5	Shielding	5	

1) To IEC 757

Dimensions

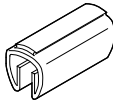
Download CAD data → www.festo.com



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

Datasheet

Ordering data		Cable length [m]	Part no.	Type
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
	Inscription labels for attaching to a cable with diameter 5 ... 8 mm	11x20 mm	33361	KM-BZ