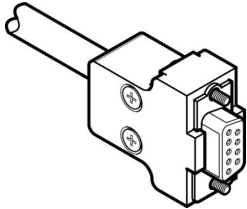


# Connecting cable KMP6-09P-8-2,5

Part number: 531184

FESTO



 General operating condition

## Data sheet

Feature	Value
Conforms to standard	DIN 41652
Cable designation	Without inscription label holder
Frequency of connection	50
Product weight	248 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Square
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	Sub-D
Electrical connection 1, number of connections/cores	9
Electrical connection 1, used connections/cores	9
Electrical connection 1, type of mounting	2x screw 4-40 UNC
Electrical connection 1, connection pattern	00995638
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	9
Electrical connection 2, used connections/cores	9
Operational voltage range DC	0 V ... 30 V
Nominal operating voltage DC	24 V
Current rating at 40° C	2.8 A
Immunity to surge	1 kV
Cable length	2.5 m
Cable characteristic	Standard
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥76 mm
Bending radius, moving cable	≥114 mm
Cable diameter	7.6 mm
Cable diameter tolerance	± 0.25 mm
Cable structure	8 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
Nominal cross section conductor	0.5 mm <sup>2</sup>
Wire ends	Cut off bluntly
Degree of protection	IP40
Note on degree of protection	In mounted state
Ambient temperature	-25 °C ... 70 °C
Ambient temperature with moving cable	-5 °C ... 70 °C

<b>Feature</b>	<b>Value</b>
Storage temperature	-25 °C ... 75 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS compliant
Pollution degree	2
Material cable sheath	PVC
Cable sheath colour	Grey
Material housing	Reinforced PBT
Housing colour	Grey
Material screw-type lock	Brass, nickel-plated
Material electrical contact	Gold-plated copper alloy