

Connecting cable SIM-K-WD-2,5-PU

Part number: 164255

FESTO



 General operating condition

Data sheet

Feature	Value
Conforms to standard	Wire colours and connection numbers to EN 60947-5-2 EN 61076-2-104 EN 61984
Cable designation	Without inscription label holder
Frequency of connection	100
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connector system	M8 snap-locking A-coded to EN 61076-2-104
Electrical connection 1, number of connections/cores	3
Electrical connection 1, used connections/cores	3
Electrical connection 1, type of mounting	Snap-in locking
Electrical connection 1, connection pattern	00991871
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	3
Electrical connection 2, used connections/cores	3
Operational voltage range DC	0 V ... 60 V
Operational voltage range AC	0 V ... 60 V
Current rating at 40° C	3 A
Immunity to surge	1.5 kV
Cable length	2.5 m
Cable characteristic	Standard
Test conditions cable	Bending strength: to Festo standard Test conditions on request Energy chain: > 5 million cycles, bending radius 28 mm
Bending radius, fixed cable	≥23 mm
Bending radius, moving cable	≥46 mm
Cable diameter	4.5 mm
Cable diameter tolerance	± 0.1 mm
Cable structure	3 x 0.25 mm ²
Nominal cross section conductor	0.25 mm ²
Wire ends	Wire end sleeve
Degree of protection	IP65 IP67

Feature	Value
Note on degree of protection	In assembled state
Ambient temperature	-25 °C ... 70 °C
Ambient temperature with moving cable	-5 °C ... 70 °C
Storage temperature	-25 °C ... 70 °C
CE mark (see declaration of conformity)	To EU Low Voltage Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK RoHS instructions To UK regulations for electrical equipment
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Free of halogen
Pollution degree	3
Corrosion resistance class CRC	4 - Very high corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material seals	NBR
Material electrical contact	Gold-plated brass
Material insulating sheath	PP