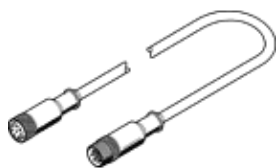


# connecting cable KM12-8GD8GS-2-PU

Part number: 525617

FESTO



## Data sheet

Feature	Value
Cable identification	Without inscription label holder
Connection frequency	50
Product weight	140 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	8
Electrical connection 1, type of mounting	Screw lock
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 2, number of pins/wires	8
Electrical connection 2, occupied pins/wires	8
Electrical connection 2, type of mounting	Screw lock
Operating voltage range DC	0 ... 30 V
Nominal operating voltage DC	30 V
Operating voltage range AC	0 ... 30 V
Acceptable current load at 40°C	2 A
Surge strength	0.8 kV
Cable length	2 m
Cable attribute	Standard
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	≥ 32 mm
Bending radius, flexible cable installation	≥ 64 mm
Cable diameter	6.2 mm
Cable diameter tolerance	± 0,2 mm
Cable structure	8x0,25 Shielded
Nominal conductor cross-section	0.25 mm <sup>2</sup>
Protection class	IP67
Note on degree of protection	in assembled condition
Ambient temperature	-25 ... 80 °C
Ambient temperature with flexible cable installation	0 ... 80 °C
CE mark (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Degree of contamination	3
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Grey

<b>Feature</b>	<b>Value</b>
Material screw-type lock	Brass, chrome-plated Nickel-plated brass
Material seals	NBR
Material electrical contact	Nickel-plated and gold-plated brass
Material insulation	PP TPE-U(PUR)