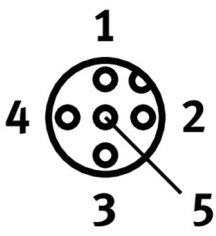


# Connecting cable SIM-M12-5GD-5-PU

Part number: 175716

FESTO



## Data sheet

[PDF](#) General operating condition

Feature	Value
Conforms to standard	EN 61076-2-101 EN 61984
Electrical connection	5-pin/5-wire Straight socket/open end M12x1/-
Plug encoding	A
Symbol	00991870
Operational voltage range DC	0 V ... 60 V
Operational voltage range AC	0 V ... 60 V
Current rating at 40° C	4 A
Immunity to surge	1.5 kV
Cable length	5 m
Cable characteristic	Standard
Test conditions cable	Bending strength: to Festo standard Test conditions on request Energy chain: > 5 million cycles, bending radius 75 mm
Cable diameter	4.5 mm
Cable structure	5 x 0.25 mm <sup>2</sup>
Nominal cross section conductor	0.25 mm <sup>2</sup>
Colour code wire insulation	Blue Brown Grey Black White
Degree of protection	IP65 IP68
Ambient temperature	-25 °C ... 80 °C
Ambient temperature with moving cable	-5 °C ... 80 °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 Free of phosphoric acid ester

Feature	Value
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PU)
Cable sheath colour	grey
Material housing	TPE-U(PU)
Housing colour	Black
Material union nut	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated brass
Material insulating sheath	PP