

# Connecting cable

## NEBL-M8G4-E-0.5-N-M8G4

Part number: 8065102

FESTO



 General operating condition

## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-104
Approval	c UL us listed (OL)
Explosion protection	The information in the certificate must be observed! Zone 2 (ATEX) Zone 22 (ATEX)
Certificate issuing authority	UL E253748
Cable designation	Without inscription label holder
Product weight	38 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	4
Electrical connection 1, used connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock with hexagon A/F 9 mm and longitudinal knurl
Electrical connection 1, connection pattern	00991872
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	M8x1, A-coded to EN 61076-2-104
Electrical connection 2, number of connections/cores	4
Electrical connection 2, used connections/cores	4
electrical connection 2, type of mounting	Screw-type lock with hexagon A/F 9 mm and longitudinal knurl
Electrical connection 2, connection pattern	00991171
Operational voltage range DC	0 V ... 30 V
Nominal operating voltage DC	24 V
Operational voltage range AC	0 V ... 30 V
Nominal operating voltage AC	24 V
Current rating at 40° C	5.2 A
Immunity to surge	0.8 kV
Protective conductor connection	Not available
Shielding	no
Cable length	0.5 m
Cable characteristic	Suitable for energy chains

Feature	Value
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥15 mm
Bending radius, moving cable	≥50 mm
Cable diameter	4.8 mm
Cable diameter tolerance	± 0.15 mm
Cable structure	4 x 0.5 mm <sup>2</sup>
Nominal cross section conductor	0.5 mm <sup>2</sup>
Degree of protection	IP65 IP67 IP69K
Note on degree of protection	In assembled state
Special characteristics	Oil resistant
Ambient temperature	-40 °C ... 90 °C
Ambient temperature with moving cable	-20 °C ... 90 °C
Storage temperature	-40 °C ... 90 °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 Free of halogen
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Black
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material seals	FPM
Material electrical contact	Gold-plated copper alloy
Material insulating sheath	PP