

# connecting cable

## NEBL-M8W4-E-2-N-M8W4

Part number: 8065107

FESTO



## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-104
Authorisation	c UL us - Listed (OL)
Certificate issuing department	UL E253748
Cable identification	Without inscription label holder
Product weight	84 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	Angled
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock with hexagon A/F 9 mm and longitudinal knurl
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Angled
Electrical connection 2, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Screw-type lock with hexagon A/F 9 mm and longitudinal knurl
Operating voltage range DC	0 ... 30 V
Nominal operating voltage DC	24 V
Operating voltage range AC	0 ... 30 V
Nominal operating voltage, AC	24 V
Acceptable current load at 40°C	5.2 A
Surge strength	0.8 kV
Protective earth connection	Not available
Shielding	No
Cable length	2 m
Cable attribute	Suitable for energy chains
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	≥ 15 mm
Bending radius, flexible cable installation	≥ 50 mm
Cable diameter	4.8 mm
Cable diameter tolerance	± 0,15 mm
Cable structure	4x0,5
Nominal conductor cross-section	0.5 mm <sup>2</sup>
Protection class	IP65 IP67 IP69K
Note on degree of protection	in assembled condition
Special characteristics	Oil resistant
Ambient temperature	-40 ... 90 °C
Ambient temperature with flexible cable installation	-20 ... 90 °C
Storage temperature	-40 ... 90 °C

Feature	Value
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 Halogen-free
Degree of contamination	3
Corrosion resistance classification 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 insulation	PP