

# Connecting cable

## NEBC-M12W8-E-5-N-M12G8

Part number: 8080787

FESTO



 General operating condition

## Data sheet

Feature	Value
Based on norm	EN 61076-2-101
Certification	c UL us - Listed (OL)
Certificate issuing authority	UL E474609
Cable designation	Without label holder
Product weight	256 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connection technology	M12x1 A-coded as per 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-type lock
Electrical connection for input 1, connection pattern	00992265
Electrical connection 2, function	Control 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 as per 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-type lock
Electrical connection 2, connection pattern	00992264
DC operating voltage range	0 V ... 30 V
Operating voltage range AC	0 V ... 30 V
Current rating at 40° C	2 A
Surge resistance	0.8 kV
Shield	no
Cable length	5 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	≥30 mm
Bending radius, flexible cable installation	≥30 mm
Cable diameter	6 mm
Cable diameter tolerance	± 0.2 mm
Cable design	8 x 0.25 mm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Nominal conductor cross section	0.25 mm <sup>2</sup>
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 °C ... 90 °C
Ambient temperature with flexible cable installation	-25 °C ... 90 °C
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Contamination level	3
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	silver-grey
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Die-cast zinc, nickel-plated
Seals material	NBR
Material of pin contacts	Brass
Insulating sheath material	PP