

# Connecting cable NEBV-M12G8-K-2-M12G4

Part number: 553575

FESTO



 General operating condition

## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable designation	Without inscription label holder
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	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	8
Electrical connection 1, used connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection pattern	00992265
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	M12x1, A-coded to EN 61076-2-101
Electrical connection 2, number of connections/cores	4
Electrical connection 2, used connections/cores	4
electrical connection 2, type of mounting	Screw-type lock
Electrical connection 2, connection pattern	00995386
Operational voltage range DC	0 V ... 30 V
Operational voltage range AC	0 V ... 30 V
Current rating at 40° C	2 A
Immunity to surge	0.8 kV
Shielding	yes
Cable length	2 m
Cable characteristic	Standard
Bending radius, fixed cable	≥29 mm
Bending radius, moving cable	≥58 mm
Cable diameter	5.6 mm
Cable diameter tolerance	± 0.2 mm
Cable structure	4 x 0.34 mm <sup>2</sup>
Nominal cross section conductor	0.34 mm <sup>2</sup>
Degree of protection	IP67
Note on degree of protection	In assembled state
Ambient temperature	-25 °C ... 85 °C

<b>Feature</b>	<b>Value</b>
Ambient temperature with moving cable	-5 °C ... 80 °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	Grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated brass
Material insulating sheath	PP