

# Connecting cable NEBV-M12G8-KD-3-M12G4

Part number: 547888

FESTO



 General operating condition

## Data sheet

Feature	Value
Conforms to standard	DIN 47100 EN 61076-2-101
Structural design	Y-distributor with cables at both ends
Distributor type	1 to 2
Additional functions	Distribution of the analog inputs and outputs of a proportional pressure control valve
Cable designation	Without label holder
Type of mounting	With through-hole for M3 screw
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
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	5
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	4
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Screw-type lock
Electrical connection 2, connection pattern	00995386
Electrical connection 3, function	Control side
Electrical connection 3, design	Round
Electrical connection 3, connection type	Plug
Electrical connection 3, cable outlet	Straight
Electrical connection 3, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 3, number of pins/wires	4
Electrical connection 3, occupied pins/wires	3
Electrical connection 3, type of mounting	Screw-type lock
Electrical connection for input 3, connection pattern	00995635
DC operating voltage range	0 V ... 30 V

Feature	Value
Operating voltage range AC	0 V ... 30 V
Current rating at 40° C	2 A
Surge resistance	0.8 kV
Shield	yes
Cable length 1	2.5 m
Cable length 2	0.5 m
Cable characteristic	Standard
Bending radius 1, fixed cable installation	≥33 mm
Bending radius 1, flexible cable installation	≥66 mm
Bending radius 2, fixed cable installation	≥33 mm
Bending radius 2, flexible cable installation	≥66 mm
Cable diameter 1	6.3 mm
Cable diameter tolerance 1	± 0.2 mm
Cable diameter 2	6.3 mm
Cable diameter 2 tolerance	± 0.2 mm
Cable design	8 x 0.25 mm <sup>2</sup>
Nominal conductor cross section	0.25 mm <sup>2</sup>
Degree of protection	IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 °C ... 80 °C
Ambient temperature with flexible cable installation	-5 °C ... 80 °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 Halogen-free
Contamination level	3
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Brass, nickel-plated
Seals material	NBR
Material of pin contacts	Brass, nickel-plated and gold-plated
Insulating sheath material	PP