

# Connecting cable NEBP-M16W6-K-2-M9W5

Part number: 575898

**FESTO**



## Data sheet

Feature	Value
Additional functions	Product-specific pin allocation
Cable designation	With accessories
Product weight	160 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connector system	M16x0.75
Electrical connection 1, number of connections/cores	6
Electrical connection 1, used connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Angled
Electrical connection 2, connector system	M9x0.5
Electrical connection 2, number of connections/cores	5
Electrical connection 2, used connections/cores	4
electrical connection 2, type of mounting	Screw-type lock
Operational voltage range DC	0 V...30 V
Current rating at 40° C	3 A
Note on permissible current load at 40°C	2.3 A for 0.34 mm <sup>2</sup> 3.6 A for 0.49 mm <sup>2</sup>
Immunity to surge	0.5 kV
Shielding	yes
Cable length	2 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, moving cable	75 mm
Cable diameter	5.5 mm
Cable structure	2 x 0.25 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup> + 0.49 mm <sup>2</sup>

Feature	Value
Nominal cross section conductor	0.25 mm <sup>2</sup> 0.34 mm <sup>2</sup> 0.49 mm <sup>2</sup>
Degree of protection	IP65 IP67
Note on degree of protection	In assembled state
Ambient temperature	-20 °C...70 °C
Ambient temperature with moving cable	-5 °C...70 °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
Pollution degree	1
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Light grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material electrical contact	Gold-plated bronze Gold-plated brass
Material insulating sheath	TPE-U(PUR)