

# Connecting cable

## NEBC-F12G8-KH-0.25-N-S-F12G8

Part number: 564189

FESTO



 General operating condition

## Data sheet

Feature	Value
Based on standard	Dimensions to EN 61076-2-101
Cable designation	Without inscription label holder
Frequency of connection	100
Product weight	47 g
Electrical connection 1, function	Field device side Controller side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Hybrid plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M12x1, Festo-specific coding
Electrical connection 1, number of connections/cores	8
Electrical connection 1, used connections/cores	8
Electrical connection 1, type of mounting	Screw-type lock, size 14 mm, and longitudinal knurl
Electrical connection 1, connection pattern	00997723
Electrical connection 2, function	Field device side Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Hybrid plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	M12x1, Festo-specific coding
Electrical connection 2, number of connections/cores	8
Electrical connection 2, used connections/cores	8
Electrical connection 2, type of mounting	Screw-type lock, size 14 mm, and longitudinal knurl
Electrical connection 2, connection pattern	00997723
Operational voltage range DC	0 V ... 30 V
Current rating at 40° C	7 A
Note on permissible current load at 40°C	1.5 A for conductor cross section 0.14 mm <sup>2</sup>
Immunity to surge	0.8 kV
Cable length	0.25 m
Cable characteristic	Standard
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥24 mm
Bending radius, moving cable	≥56 mm
Cable diameter	8 mm
Cable diameter tolerance	± 0.2 mm
Cable structure	(1 x (4 x 0.14 mm <sup>2</sup> )) + 4 x 0.75 mm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Nominal cross section conductor	0.75 mm <sup>2</sup>
Degree of protection	IP65 IP67
Note on degree of protection	In assembled state
Special characteristics	Oil resistant
Ambient temperature	-25 °C ... 70 °C
Ambient temperature with moving cable	-5 °C ... 70 °C
Storage temperature	-40 °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 Free of halogen
Pollution degree	3
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 brass
Material insulating sheath	PP