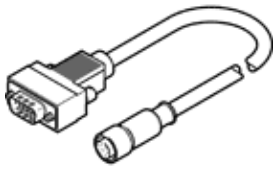
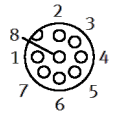


# Encoder cable

## NEBM-M12G8-E-5-S1G9-V3

Part number: 1599105

FESTO



### Data sheet

Feature	Value
Cable identification	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	8
Electrical connection 2, function	Controller side
Electrical connection 2, design	Angular
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	Sub-D
Electrical connection 2, number of pins/wires	9
Electrical connection 2, occupied pins/wires	8
Operating voltage range DC	0 ... 30 V
Nominal operating voltage DC	24 V
Operating voltage range AC	0 ... 30 V
Nominal operating voltage, AC	24 V
Cable length	5 m
Cable attribute	Suitable for energy chains
Bending radius, flexible cable installation	≥ 100 mm
Cable diameter	8.2 mm
Cable structure	3x(2x0,14)+2x(0,5) Shielded
Nominal conductor cross-section	0.14 mm <sup>2</sup> 0.5 mm <sup>2</sup>
Protection class	IP65
Note on degree of protection	in assembled condition
Ambient temperature	-50 ... 80 °C
Ambient temperature with flexible cable installation	-40 ... 75 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	0 - No corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Grey