

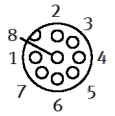
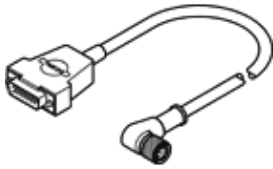
# Encoder cable

## NEBM-M12W8-E-5-N-S1G15

Part number: 550318  
Product to be discontinued

[Suitable for servo motor EMMS-AS-...](#)

FESTO



## Data sheet

Feature	Value
Conforms to standard	EN 61984
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	Angled
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	15
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
Acceptable current load at 40°C	3 A
Note on acceptable current load at 40°C	2 A for 0.14 mm <sup>2</sup>
Surge strength	0.5 kV
Cable length	5 m
Cable attribute	Suitable for chain link trunking
Bending radius, fixed cable installation	≥ 20 mm
Bending radius, flexible cable installation	≥ 75 mm
Cable diameter	6 mm
Cable structure	1x4x0,14+4x0,34 Shielded
Nominal conductor cross-section	0.14 mm <sup>2</sup> 0.34 mm <sup>2</sup>
Protection class	IP65
Note on degree of protection	IP30 for plug connector Sub-D in assembled condition
Ambient temperature	-40 ... 80 °C
Ambient temperature with flexible cable installation	-10 ... 80 °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
Degree of contamination	3
Material cable sheath	TPE-U(PUR)