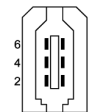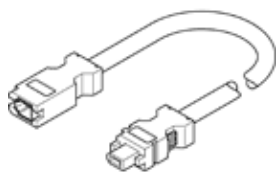# encoder cable
NEBM-REG6-E-2.5-Q14N-REG6

Part number: 5219213

★ Core product range

FESTO

Data sheet

Feature	Value
Cable identification	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Angular
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Connection pattern RE
Electrical connection 1, number of pins/wires	6
Electrical connection 1, occupied pins/wires	6
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	Connection pattern RE
Electrical connection 2, number of pins/wires	6
Electrical connection 2, occupied pins/wires	6
Operating voltage range DC	0 ... 30 V
Operating voltage range AC	0 ... 30 V
Acceptable current load at 40°C	1.6 A
Surge strength	2 kV
Cable length	2.5 m
Cable attribute	Suitable for energy chains
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	>= 55 mm
Bending radius, flexible cable installation	>= 55 mm
Cable diameter	7.4 mm
Cable structure	2x0,51+4x0,205
Nominal conductor cross-section	0.205 mm2
	0.51 mm2
Nominal conductor cross section (AWG)	AWG20
	AWG24
Protection class	IP20
Note on degree of protection	in assembled condition
Ambient temperature	-40 ... 80 °C
Ambient temperature with flexible cable installation	-10 ... 80 °C
CE mark (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Degree of contamination	3
Corrosion resistance classification CRC	0 - No corrosion stress
Material cable sheath	PVC
Cable sheath colour	Black
Material housing	PVC
Housing colour	Grey
Material insulation	PVC