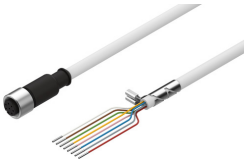
Encoder cable
NEBM-M12G8-E-2.5-LE8

Part number: 1451587



General operating condition

Data sheet

Feature	Value
Cable designation	Without label holder
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	8
Electrical connection for input 1, connection pattern	00992265
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connection technology	Open end
Electrical connection 2, number of pins/wires	8
Electrical connection 2, occupied pins/wires	8
DC operating voltage range	0 V ... 30 V
Nominal operating voltage DC	24 V
Operating voltage range AC	0 V ... 30 V
Nominal operating voltage AC	24 V
Shield	yes
Cable length	2.5 m
Cable characteristic	Suitable for energy chains
Bending radius, flexible cable installation	≥68 mm
Cable diameter	6.8 mm
Cable design	4 x 2 x 0.14 mm²
Nominal conductor cross section	0.14 mm²
Wire ends	Cable end sleeve
Degree of protection	IP65
Note on degree of protection	In mounted state
Ambient temperature	-40 °C ... 80 °C
Ambient temperature with flexible cable installation	-5 °C ... 80 °C
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Material of cable sheath	TPE-U(PUR)

Feature	Value
Color cable sheath	Gray