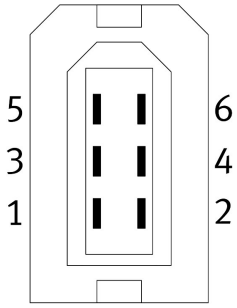
Encoder cable
NEBM-REG6-E-25-Q14N-REG6

Part number: 8097202





Data sheet

Feature	Value
Cable designation	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Angular
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	Connection pattern RE
Electrical connection 1, number of connections/cores	6
Electrical connection 1, used connections/cores	6
Electrical connection 2, function	Controller side
Electrical connection 2, design	Angular
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	Connection pattern RE
Electrical connection 2, number of connections/cores	6
Electrical connection 2, used connections/cores	6
Operational voltage range DC	0 V...30 V
Operational voltage range AC	0 V...30 V
Current rating at 40° C	1.6 A
Immunity to surge	2 kV
Cable length	25 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	55 mm
Bending radius, moving cable	55 mm
Cable diameter	7.4 mm
Cable structure	2 x 0.51 mm² + 4 x 0.205 mm²
Nominal cross section conductor	0.205 mm² 0.51 mm²

Feature	Value
Conductor nominal cross section	AWG20 AWG24
Degree of protection	IP20
Note on degree of protection	In assembled state
Ambient temperature	-40 °C...80 °C
Ambient temperature with moving cable	-10 °C...80 °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 zone III
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	0 - No corrosion stress
Material cable sheath	PVC
Cable sheath colour	Black
Material housing	PVC
Housing colour	grey
Material insulating sheath	PVC