

Technical data sheet Interconnection cable

Part no.: 50135147

KDS S-M12-8A-M12-8A-P1-100

Contents

- Technical data
- Electrical connection

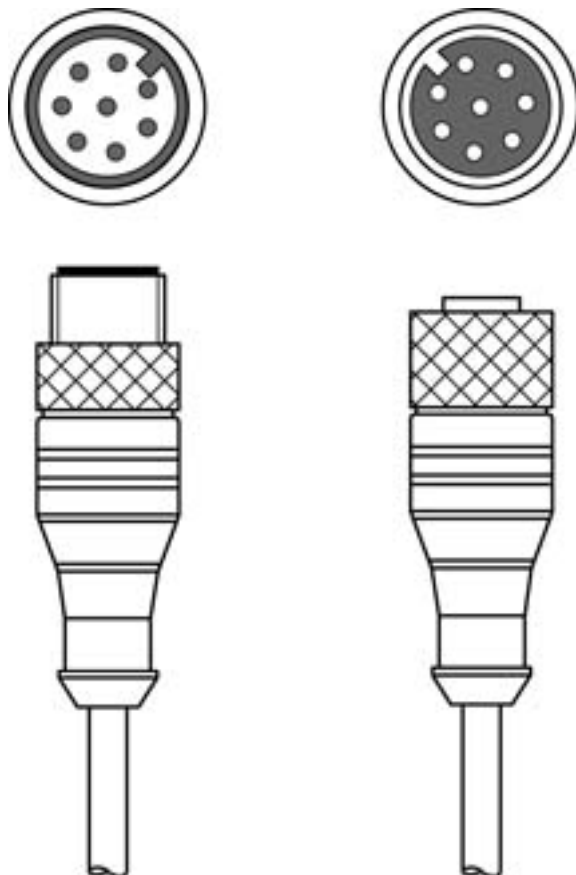


Figure can vary



Technical data

Electrical data

Performance data

Operating voltage	30 V AC/DC
-------------------	------------

Connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	Plastic
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Connection 2

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Cable properties

Number of conductors	8 Piece(s)
Wire cross section	0.25 mm ²
AWG	24
Sheathing color	Black
Shielded	Yes
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	6 mm
Cable length	10,000 mm
Sheathing material	PUR
Wire insulation	PP
Traversal rate	Max. 2m/s with horiz. traversal path of 5m and max. acceleration of 10m/s ²
Suitability for drag chains	Yes
Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Torsion suitability	±30° / m (max. 2 mio. cycles with 35 cycles / min)

Mechanical data

Width across flats	13 mm
Bending cycles	5,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 5 x cable diameter

Environmental data

Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

Certifications

Degree of protection	IP 65
	IP 67

Classification

Customs tariff number	85444290
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	Plastic
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Connection 2

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking