

Technical data sheet

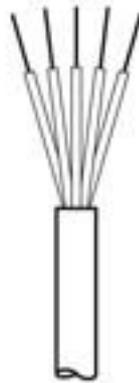
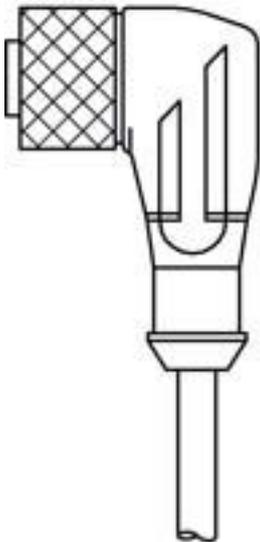
Connection cable

Part no.: 50143389

KD DN-M12-5W-P1-150

Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



Technical data

Basic data

Application	Oil and lubricant resistant
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Electrical data

Performance data

Operating voltage	Max. 60 V AC/DC
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Connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	5 -pin
Encoding	A-coded
Version	Angled
Connector, LED	No

Connection 2

Type of connection	Open end
Lock	Screw fitting, nickel-plated brass, recommended torque 0.6 Nm, self-locking

Cable properties

Number of conductors	5 Piece(s)
Wire cross section	0.34 mm ²
AWG	22
Sheathing color	Violet
Shielded	Yes
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	5.6 mm
Cable length	15,000 mm
Sheathing material	PUR
Wire insulation	PE
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/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
Net weight	757 g
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

Operation and display

Environmental data

Ambient temperature, operation, flexible use	-30 ... 70 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

Certifications

Degree of protection	IP 65
	IP 67
Approvals	c UL US

Classification

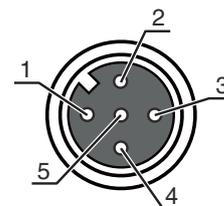
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ETIM 5.0	EC001855
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ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855

Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	5 -pin
Encoding	A-coded
Version	Angled
Connector, LED	No

Pin	Conductor color
1	-
2	Red
3	Black
4	White
5	Blue



Connection 2

Type of connection	Open end
Lock	Screw fitting, nickel-plated brass, recommended torque 0.6 Nm, self-locking

Circuit diagrams

Connection diagram

