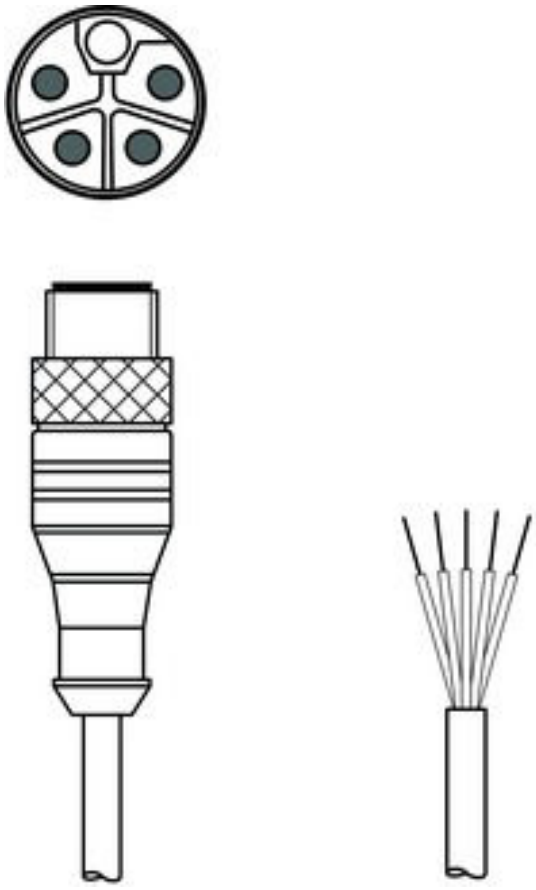
Technical data sheet
Connection cable
Part no.: 50143054
KD PL-M12-5A-P0-100



For Illustration purposes only

Contents

- Technical data
- Electrical connection
- Circuit diagrams







Technical data

Basic data

Suitable for	MD 748i

Electrical data

Performance data

Operating voltage	50 V AC / 60 V DC

Connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	5 -pin
Encoding	L-coded
Version	Axial
Connector, LED	No

Cable properties

Number of conductors	5 Piece(s)
Wire cross section	1.5 mm²
Sheathing color	Gray
Shielded	No
Cable design	Connection cable (open on one end)
Cable diameter (external)	8 mm
Cable length	10,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traverse rate	Max. 5 m/s with horiz. traverse path of 5m and and max. acceleration of 50m/s²

Mechanical data

Net weight	969 g
Bending cycles	10,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 7.5 x cable diameter
Bending radius, stationary laying, min.	Min. 4 x cable diameter

Environmental data

Ambient temperature, operation, flexible use	-30 ... 90 °C
Ambient temperature, operation, stationary use	-40 ... 90 °C

Certifications

Degree of protection	IP 65
	IP 67
	IP 69K
Approvals	c UL US

Classification

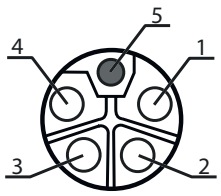
Customs tariff number	85444290
ECLASS 5.1.4	27279201
ECLASS 8.0	27279218
ECLASS 9.0	27060311
ECLASS 10.0	27060311
ECLASS 11.0	27060311
ECLASS 12.0	27060311
ECLASS 13.0	27060311
ECLASS 14.0	27060311
ECLASS 15.0	27060311
ECLASS 16.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855
UNSPSC 26.08	26121604

Electrical connection

Connection 1

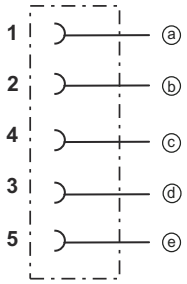
Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	5 -pin
Encoding	L-coded
Version	Axial
Connector, LED	No

Pin	Conductor color
1	Brown
2	White
3	Blue
4	Black
5	Gray



Circuit diagrams

Wiring schematic



a Brown wire
b White wire
c Black wire
d Blue wire
e Gray wire