

## Technical data sheet

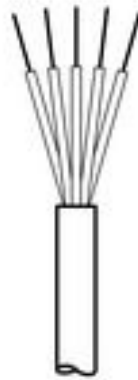
### Connection cable

Part no.: 50143054

KD PL-M12-5A-P0-100

#### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



# Technical data

## Basic data

Suitable for	MD 748i
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## Electrical data

### Performance data

Operating voltage	50 V AC / 60 V DC
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## 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 mm <sup>2</sup>
Sheathing color	Gray
Shielded	Yes
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/s <sup>2</sup>

## 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

# Electrical connection

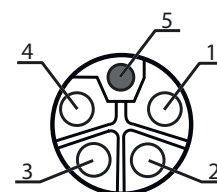
## Connection 1

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

## Pin

1	Brown
2	White
3	Blue
4	Black
5	Gray

## Conductor color



## Circuit diagrams

### Wiring schematic

