

**Part no.: 50135079**  
**KSS ET-M12-4A-RJ45-A-P7-006**  
**Interconnection cable**

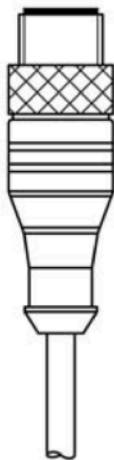


Figure can vary

## Contents

- Technical data
- Electrical connection
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## Technical data

### Basic data

Suitable for interface	Ethernet
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### Electrical data

#### Performance data

Operating voltage	60 V DC
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### Connection

#### Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	4 -pin
Encoding	D-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

#### Connection 2

Type of connection	RJ45
No. of pins	4 -pin
Design	Axial
Type	Male

#### Cable properties

Number of conductors	4 Piece(s)
Wire cross section	0.34 mm <sup>2</sup>
AWG	22
Sheathing color	Green
Shielded	Yes
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	6.7 mm
Cable length	600 mm
Sheathing material	PUR
Wire insulation	PP
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 2m/s <sup>2</sup>
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

### Mechanical data

Width across flats	13 mm
Bending cycles	2,000,000 Piece(s)
Bending radius, flexible laying, min.	One-time min. 5 x cable diameter
Bending radius, stationary laying, min.	One-time min. 5 x cable diameter

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#### Environmental data

Ambient temperature, operation, flexible use	-20 ... 60 °C
Ambient temperature, operation, stationary use	-20 ... 60 °C

#### Certifications

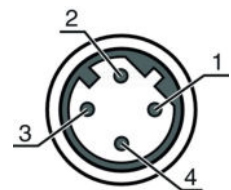
Degree of protection	IP 20 (RJ 45) IP 65 IP 67
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#### Classification

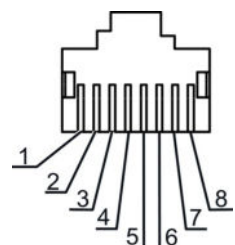
Customs tariff number	85444290
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

## Electrical connection

Connection 1	
Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	4 -pin
Encoding	D-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

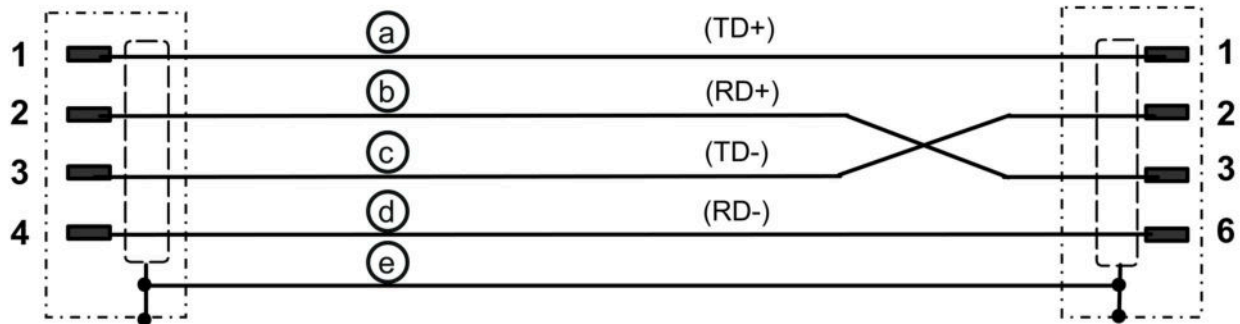


Connection 2	
Type of connection	RJ45



## Circuit diagrams

### Wiring schematic



- a Yellow wire
- b White wire
- c Orange wire
- d Blue wire
- e Shield