



**Part no.: 50130771**  
**KDS U-M12-3W-M12-3A-P1-030-DP**  
**Interconnection cable**

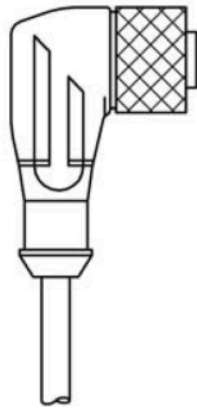
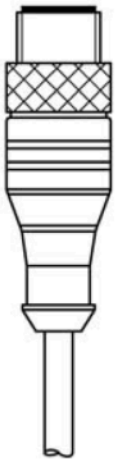


Figure can vary

## Contents

- Technical data
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## Technical data

### Connection

#### Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	3 -pin
Encoding	A-coded
Design	Angled
Connector, LED	Yes

#### Connection 2

Type of connection	Connector
Thread size	M12
Type	Male
No. of pins	3 -pin
Encoding	A-coded
Design	Axial

#### Cable properties

Number of conductors	3 Piece(s)
Wire cross section	0.34 mm <sup>2</sup>
AWG	22
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	4.3 mm
Cable length	3,000 mm
Sheathing material	PUR
Wire insulation	PUR
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. accelera- tion of 5m/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 re- tardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Torsion suitability	±180° / 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

### Operation and display

Number of LEDs	1 Piece(s)
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### Environmental data

Ambient temperature, operation, flexible use	-25 ... 80 °C
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**Part no.: 50130771 – KDS U-M12-3W-M12-3A-P1-030-DP – Interconnection**

Ambient temperature, operation, stationary use	-40 ... 80 °C
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**Certifications**

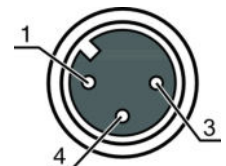
Degree of protection	IP 65 IP 67
Certifications	c UL US

**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
No. of pins	3 -pin
Encoding	A-coded
Design	Angled
Connector, LED	Yes



Connection 2	
Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	
No. of pins	3 -pin
Encoding	A-coded
Design	Axial
Lock	

