



Part no.: 50136448
KDS U-M8-3A-M12-3A-P1-050
Interconnection cable



Figure can vary

Contents

- Technical data
- Electrical connection



Technical data

Connection	
Connection 1	
Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	3 -pin
Design	Axial
Connection 2	
Type of connection	Connector
Thread size	M8
Type	Male
No. of pins	3 -pin
Design	Axial
Cable properties	
Number of conductors	3 Piece(s)
Wire cross section	0.25 mm ²
AWG	24
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	4.3 mm
Cable length	1,000 mm
Sheathing material	PUR
Wire insulation	PUR
Suitability for drag chains	Yes
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ²
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	±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
Environmental data	
Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C
Certifications	
Degree of protection	IP 66K, IP 67 when in the plugged-in and screwed-down state (EN 60529)

Part no.: 50136448 – KDS U-M8-3A-M12-3A-P1-050 – Interconnection cable

Classification

eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855

Electrical connection

Connection 1	
Type of connection	Connector
Thread size	M12
Type	Female
No. of pins	3 -pin
Encoding	
Design	Axial

Connection 2	
Type of connection	Connector
Thread size	M8
Type	Male
No. of pins	3 -pin
Encoding	
Design	Axial