



DATA SHEET

DOL-1205-W10MAC

Sensor-actuator cables
Connectors and cables

SICK

Sensor Intelligence



CONNECTORS AND CABLES

DOL-1205-W10MAC

ORDERING INFORMATION

Type	part no.
DOL-1205-W10MAC	6041752

Further device versions and accessories at www.sick.com/Sensor-actuator_cables



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

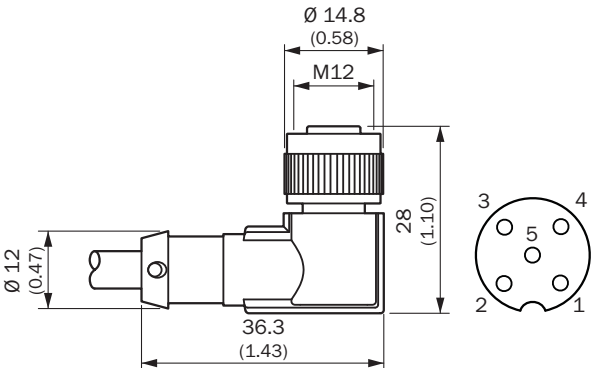
Connection type head A	Female connector, M12, 5-pin, angled, A-coded	
Connection type head B	Flying leads	
Connector material	TPU	
Connector color	Black	
Locking nut material	Zinc die-cast, nickel-plated	
Tightening torque	0.4 Nm	
Cable	10 m, 5-wire, PUR, halogen-free	
Jacket material	PUR, halogen-free	
Jacket color	Black	
Cable diameter	5.9 mm	
Conductor cross section	0.34 mm²	
Shielding	Shielded	
Bending radius	Flexible use	> 10 x cable diameter
	Stationary position	> 5 x cable diameter
Bending cycles	≥ 4,000,000	
Reference voltage	≤ 60 V	
Current loading	4 A	
Traversing speed	Max. 3 m/s	
Travelling distance	10 m	
Acceleration	≤ 10 m/s²	
Signal type	HIPERFACE®	
Application	Drag chain operation Zones with oils and lubricants	
Note	Sensor/actuator cable	

Enclosure rating	IP65/ IP67
Operating temperature	
Flexible use	-25 °C ... +80 °C
Stationary position	-40 °C ... +80 °C
Head	-25 °C ... +90 °C

CERTIFICATES

EU declaration of conformity	✓
China RoHS	✓
China Compulsory Product Certification (CCC) ex-empt	✓

DIMENSIONAL DRAWING

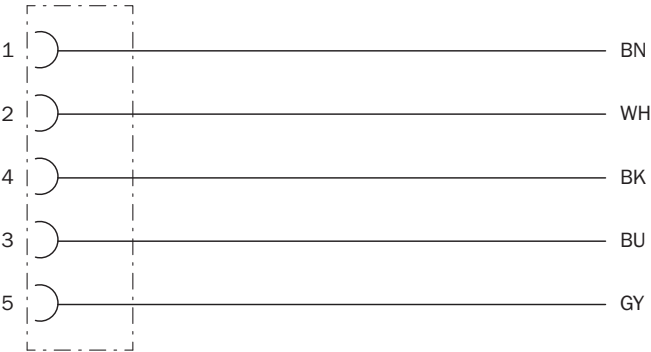


female connector M 12 x 1, angled, screened

Dimensions in mm (inch)

- ① Brown
- ② White
- ③ blue
- ④ Black
- ⑤ Gray

PIN ASSIGNMENT



Contact assignment of the M12 female connector

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6041752



SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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