

DOL-1205-W10MAC

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOL-1205-W10MAC	6041752

Other models and accessories -> www.sick.com/Sensor_actuator_cable

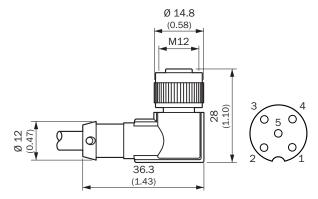
Detailed technical data

Technical specifications

Accessory group Plug connectors and cables Connection type head A Female connector, M12, 5-pin, angled, A-coded Connection type head B Flying leads 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 Shelding Shelded Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Secondary Complex ≤ 60 V Current loading 4 A Travelling distance 4 00 m/s² Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants brag chain operation Note Sensor/actuator cable Enclosure rating P6 x (2 m + 80 ° C Ambient operating temperature -25 ° C m + 80 ° C		
Connection type head A Connector hype head B Connector material Connector color Black Locking nut material Jacket material Jacket material Jacket color Black Connector color Black Cable Jacket material Jacket material Jacket color Cable diameter Stationary position Flexible use Stationary position Bending cycles Reference voltage Caurent loading Traversing speed Acceleration Signal type Application Note Encolosure rating Ambient operating temperature Flexible use Flexible use Sensor/actuator cable Encolosure rating Ambient operating temperature Flexible use Flexible us	Accessory group	Plug connectors and cables
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 Stationary position > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 60 V Current loading 4 A Traversing speed Max. 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IPES/ IPE7 Ambient operating temporature Flexible use	Accessory family	Connecting cables
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 Stationary position > 5 x cable diameter Sending cycles 2 4,000,000 Reference voltage 60 V Current loading 4 A Traversing speed Max. 3 m/s Travelling distance 10 m/s² Acceleration \$ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature	Connection type head A	Female connector, M12, 5-pin, angled, A-coded
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 > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Bending cycles ≤ 60 V 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 Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use ~25 °C +80 °C	Connection type head B	Flying leads
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 > 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/s² Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use ~25 °C +80 °C	Connector material	TPU
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 Stationary position Bending cycles > 10 x cable diameter Sectionary 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 Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Connector color	Black
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	Locking nut material	Zinc die-cast, nickel-plated
Jacket material PUR, halogen-free Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use Stationary position > 5 x cable diameter > 6 x cable diameter < 6 x cable diameter > 6 x cable diameter < 6 x cable	Tightening torque	0.4 Nm
Jacket color Black Cable diameter 5.9 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius > 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 Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Cable	10 m, 5-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Note Enclosure rating Ambient operating temperature Flexible use 5.9 mm 0.34 mm² 5.9 mim 0.34 mm² 5 in x cable diameter > 5 x cable diameter > 4,000,000 > 5 x cable diameter > 5 x cable diameter > 6 0 V 4 A A A Traversing speed Max. 3 m/s Travelling distance 10 m 2 no m/s² Signal type Application Note Sensor/actuator cable Enclosure rating Ambient operating temperature Flexible use Flexible use Flexible use -25 °C +80 °C	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Note Enclosure rating Ambient operating temperature Flexible use Shielded Sh	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Note Enclosure rating Ambient operating temperature Flexible use > 10 x cable diameter > 10 x cable diameter ≥ 4,000,000 A 4 A Travelling distance 4 A 4 A 5 6 O V 6 O V 7 7 8 O V 9 O V 9 O V 9 O V 10 O V 1	Cable diameter	5.9 mm
Bending radius Flexible use Stationary position Stationary position Pending cycles Reference voltage ≤ 60 V Current loading Traversing speed Max. 3 m/s Travelling distance Acceleration Signal type HIPERFACE® Application Note Sensor/actuator cable Enclosure rating Ambient operating temperature Flexible use > 10 x cable diameter > 5 x cable diameter > 60 V Current loading 4 A An Endough Endough	Conductor cross section	0.34 mm ²
Flexible use Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Travelling distance Acceleration Signal type Application Note Enclosure rating Ambient operating temperature Flexible use > 10 x cable diameter > 5 x cable diameter > 60 V An An HEREFACE 10 m	Shielding	Shielded
Stationary position Bending cycles Reference voltage ≤ 60 V Current loading Traversing speed Max. 3 m/s Travelling distance Acceleration Signal type Application Note Enclosure rating Ambient operating temperature Flexible use > 5 x cable diameter ≥ 4,000,000 AA AB HA AB Travelling distance 10 m ≤ 10 m/s² Signal type HIPERFACE® Zones with oils and lubricants Drag chain operation Note Flexible use -25 °C +80 °C	Bending radius	
Bending cycles Reference voltage ≤ 60 V Current loading 4 A Traversing speed Max. 3 m/s Travelling distance Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Enclosure rating Ambient operating temperature Flexible use ≥ 4,000,000 A A A A A A B A A A A A A	Flexible use	> 10 x cable diameter
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 Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use −25 °C +80 °C	Stationary position	> 5 x cable diameter
Current loading Traversing speed Max. 3 m/s Travelling distance Acceleration Signal type Application Application Note Enclosure rating Ambient operating temperature Flexible use ≤ 60 V And And And And And And And An	Bending cycles	≥ 4,000,000
Current loading 4 A Traversing speed Max. 3 m/s Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Flexible use -25 °C +80 °C	Reference voltage	
Traversing speed Travelling distance Acceleration Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Enclosure rating Ambient operating temperature Flexible use Flexible use Max. 3 m/s And Max. 3 m/s Flexible use Sensor/sc Lipe Flexible use Acceleration Flexible use Acceleration Flexible use Sensor/actuator cable Flexible use Flexible use Comparison Flexible use Comparison Flexible use Flexible use		≤ 60 V
Travelling distance 10 m Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Current loading	4 A
Acceleration ≤ 10 m/s² Signal type HIPERFACE® Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use −25 °C +80 °C	Traversing speed	Max. 3 m/s
Signal type Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Flexible use HIPERFACE® Zones with oils and lubricants Drag chain operation Flexible use Sensor/actuator cable Flexible use -25 °C +80 °C	Travelling distance	10 m
Application Zones with oils and lubricants Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Acceleration	≤ 10 m/s²
Drag chain operation Note Sensor/actuator cable Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Signal type	HIPERFACE [®]
Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -25 °C +80 °C	Application	
Ambient operating temperature Flexible use -25 °C +80 °C	Note	Sensor/actuator cable
Flexible use -25 °C +80 °C	Enclosure rating	IP65/ IP67
	Ambient operating temperature	
Stationary position -40 °C +80 °C	Flexible use	-25 °C +80 °C
	Stationary position	-40 °C +80 °C

Head	-25 °C +90 °C
Classifications	
ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



female connector M 12 x 1, angled, screened

① Brown

- ② White ③ Blue
- ④ Black ⑤ Gray

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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For us, that is "Sensor Intelligence."

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