



DSL-127SG20ME25KM0

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
DSL-127SG20ME25KM0	2078579

Other models and accessories → www.sick.com/Sensor_actuator_cable

Detailed technical data

Technical specifications

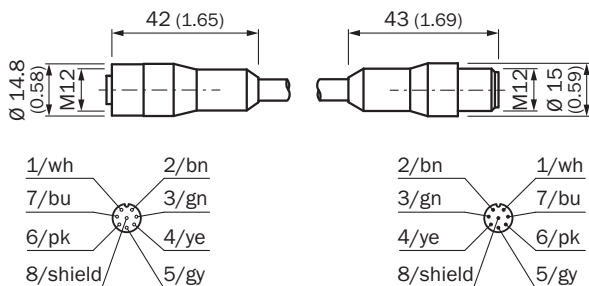
Connection type head A	Female connector, M12, 8-pin, straight								
Connection type head B	Male connector, M12, 8-pin, straight								
Connector material	TPU								
Connector color	Black								
Locking nut material	CuZn, nickel-plated brass								
Tightening torque	0.5 Nm								
Cable	20 m, 7-wire, PUR, halogen-free								
Jacket material	PUR, halogen-free								
Jacket color	Black								
Cable diameter	6 mm								
Conductor cross section	0.25 mm ²								
Shielding	Shielded								
Bending radius	<table border="0"> <tr> <td>Flexible use</td> <td>> 10 x cable diameter</td> </tr> <tr> <td>Stationary position</td> <td>> 5 x cable diameter</td> </tr> </table>	Flexible use	> 10 x cable diameter	Stationary position	> 5 x cable diameter				
Flexible use	> 10 x cable diameter								
Stationary position	> 5 x cable diameter								
Bending cycles	> 2,000,000								
Reference voltage	≤ 30 V								
Current loading	2 A								
Traversing speed	3.3 m/s								
Acceleration	≤ 5 m/s ²								
Signal type	Sensor/actuator cable								
Authorizations	UL recognized in accordance with AWM Style 20549 (80 °C / 300 V), jacket UL recognized in accordance with AWM Style 10493 (80 °C / 300 V), conductor								
Enclosure rating	IP65/ IP67 (EN 60529)								
Operating temperature	<table border="0"> <tr> <td>Flexible use</td> <td>-25 °C ... +80 °C</td> </tr> <tr> <td>Stationary position</td> <td>-50 °C ... +80 °C</td> </tr> <tr> <td>Drag chain operation</td> <td>-25 °C ... +60 °C</td> </tr> <tr> <td>Head</td> <td>-25 °C ... +80 °C</td> </tr> </table>	Flexible use	-25 °C ... +80 °C	Stationary position	-50 °C ... +80 °C	Drag chain operation	-25 °C ... +60 °C	Head	-25 °C ... +80 °C
Flexible use	-25 °C ... +80 °C								
Stationary position	-50 °C ... +80 °C								
Drag chain operation	-25 °C ... +60 °C								
Head	-25 °C ... +80 °C								

Classifications

ECLASS 5.0	19030312
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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))



SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com