

STL-127SG15ME25KM0

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
STL-127SG15ME25KM0	2075983

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

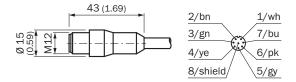
Detailed technical data

Technical specifications

Male connector, M12, 8-pin, straight	reciffical specifications	
Connection type Flying leads TPU Connector material TPU Connector color Black Locking nut material CuZn, nickel-plated brass Tightening torque 0.5 Nm Cable 15 m, 7-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 6 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Flexible use Stationary position 5 x cable diameter Stationary position 2 x cable diameter Sand Current loading 2 x cable diameter 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 UL File No. CVIXE3351.79 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use Stationary position	Connection type head A	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 15 m, 7-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 6 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Flexible use Stationary position 5 x cable diameter Stationary position 5 x cable diameter Save Save Save Save Save Save Save Save	Connection type head B	Flying leads
Connector color Black CuZn, nickel-plated brass Cu	Connection type	Flying leads
Locking nut material CuZn, nickel-plated brass Tightening torque 0.5 Nm Cable 15 m, 7-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 6 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position ≥ 2,000,000 Reference voltage ≤ 30 V Current loading 2 A Traversing speed 3.3 m/s Acceleration ≤ 5 m/s² 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature -25 °C+80 °C Flexible use -25 °C+80 °C	Connector material	TPU
Tightening torque Cable 15 m, 7-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 30 V Current loading Traversing speed Acceleration Signal type 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 UL File No. Flexible use Flexible	Connector color	Black
Cable 15 m, 7-wire, PUR, halogen-free Jacket material PUR, halogen-free Black Cable diameter 6 mm Conductor cross section 0.25 mm² Shielding Shielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Bending cycles	Locking nut material	CuZn, nickel-plated brass
Jacket material PUR, halogen-free Black	Tightening torque	0.5 Nm
Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Shelding cycles Flexible use > 2,000,000 Reference voltage \$30 V Current loading Traversing speed Acceleration \$5 m/s^2 Signal type 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 UL File No. CyJv.E335179 Enclosure rating Operating temperature Flexible use \$-25 °C +80 °C -50 °C +80 °C -50 °C +80 °C	Cable	15 m, 7-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position > 5 x cable diameter	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Bending cycles Reference voltage ≤ 30 V Current loading Traversing speed Acceleration Signal type 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 UL File No. Enclosure rating Operating temperature Flexible use Stationary position 0.25 mm² > 10 x cable diameter > 5 x cable diameter	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Shielded Stationary position Stationary position Stationary position Shielded Stationary position	Cable diameter	6 mm
Bending radius Flexible use Stationary position Bending cycles Reference voltage \$\leq\$ 30 V Current loading Traversing speed Acceleration \$\leq\$ 5 m/s ² Signal type 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 UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position	Conductor cross section	0.25 mm ²
Flexible use Stationary position Bending cycles Reference voltage \$\frac{30 \text{ V}}{200,000}\$ Current loading Traversing speed Acceleration Signal type 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 UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position \$\frac{10 \text{ x} \ cable diameter}{200,000}\$ \$\frac{2}{2} \ m \ cable diameter \$\frac{2}{2} \ m \ cable d	Shielding	Shielded
Stationary position > 5 x cable diameter > 2,000,000 Reference voltage ≤ 30 V Current loading 2 A Traversing speed 3.3 m/s Acceleration ≤ 5 m/s² 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use Stationary position Stationary position > 5 x cable diameter > 2,000,000 > 2 A A	Bending radius	
Bending cycles Reference voltage ≤ 30 V Current loading Traversing speed 3.3 m/s Acceleration ≤ 5 m/s² Signal type 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 UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position > 2,000,000 Sensor/actuator cable 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 USFILE NO. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position -25 °C +80 °C -50 °C +80 °C	Flexible use	> 10 x cable diameter
Reference voltage ≤ 30 V Current loading 2 A Traversing speed 3.3 m/s Acceleration ≤ 5 m/s² 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use -25 °C +80 °C -50 °C +80 °C	Stationary position	> 5 x cable diameter
Current loading Current loading 2 A Traversing speed 3.3 m/s Acceleration 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 UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position Stationary position	Bending cycles	> 2,000,000
Current loading Traversing speed 3.3 m/s Acceleration Signal type 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use Stationary position Stationary position CYDV.E335179	Reference voltage	
Traversing speed Acceleration 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 UL File No. CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position Stationary position Sensor/actuator cable 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 CYJV.E335179 Enclosure rating Operating temperature Flexible use Stationary position		≤ 30 V
Acceleration ≤ 5 m/s² 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Current loading	2 A
Signal type 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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use -25 °C +80 °C Stationary position	Traversing speed	3.3 m/s
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 UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use -25 °C +80 °C Stationary position Stationary position	Acceleration	≤ 5 m/s²
UL recognized in accordance with AWM Style 10493 (80 °C / 300 V), conductor UL File No. CYJV.E335179 Enclosure rating IP65/ IP67 (EN 60529) Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Signal type	Sensor/actuator cable
Enclosure rating Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Authorizations	
Operating temperature Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	UL File No.	CYJV.E335179
Flexible use -25 °C +80 °C Stationary position -50 °C +80 °C	Enclosure rating	IP65/ IP67 (EN 60529)
Stationary position -50 °C +80 °C	Operating temperature	
	Flexible use	-25 °C +80 °C
Drag chain operation -25 °C +60 °C	Stationary position	-50 °C +80 °C
	Drag chain operation	-25 °C +60 °C

Head	-25 °C +80 °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))



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