

YF8U13-010VA1M8U13

Sensor/actuator cable

PLUG CONNECTORS AND CABLES



Illustration may differ

Ordering information

Туре	Part no.
YF8U13-010VA1M8U13	2137322

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



Detailed technical data

Technical specifications

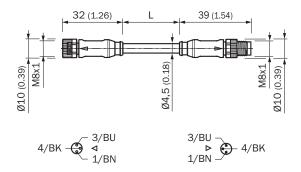
Connection type head B Female connector, M8, 3-pin, straight, A-coded Connector type head B Male connector, M8, 3-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector) Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 1 m, 3-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shelding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 48 V AC	reclinical specifications	
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector) Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 1 m, 3-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shelding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC	Connection type head A	Female connector, M8, 3-pin, straight, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector) Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 1 m, 3-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC	Connection type head B	Male connector, M8, 3-pin, straight, A-coded
Connector color Locking nut material Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector) Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 1 m, 3-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Flexible use Stationary position Nominal voltage, cable Reference voltage	Locking plug connector	Screw connection
Locking nut materialZinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector)Seal materialFKMTightening torque0.4 NmWidth across flats9Cable1 m, 3-wire, PVCJacket materialPVCJacket colorGrayCable diameter4.5 mmConductor cross section0.25 mm²ShieldingUnshieldedBending radiusY 10 x cable diameterStationary position> 10 x cable diameterNominal voltage, cable300 V ACTest voltage, cable2,000 V AC	Connector material	TPU
Seal materialFKMTightening torque0.4 NmWidth across flats9Cable1 m, 3-wire, PVCJacket materialPVCJacket colorGrayCable diameter4.5 mmConductor cross section0.25 mm²ShieldingUnshieldedBending radius> 10 x cable diameterFlexible use Stationary position> 5 x cable diameterNominal voltage, cable300 V ACTest voltage, cable2,000 V AC	Connector color	Black
Tightening torque Width across flats 9 Cable 1 m, 3-wire, PVC Jacket material PVC Gray Cable diameter 4.5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Reference voltage	Locking nut material	Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector)
Width across flats Cable 1 m, 3-wire, PVC Jacket material PVC Gray Cable diameter 4.5 mm Conductor cross section Shielding Unshielded Flexible use Stationary position Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage	Seal material	FKM
Cable1 m, 3-wire, PVCJacket materialPVCJacket colorGrayCable diameter4.5 mmConductor cross section0.25 mm²ShieldingUnshieldedBending radiusFlexible use Stationary position> 10 x cable diameterNominal voltage, cable300 V ACTest voltage, cable2,000 V ACReference voltage2,000 V AC	Tightening torque	0.4 Nm
Jacket material PVC Gray Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position 5 x cable diameter Stationary position 5 x cable diameter Test voltage, cable 2,000 V AC Reference voltage	Width across flats	9
Jacket color Cable diameter 4.5 mm Conductor cross section Shielding Unshielded Unshielded Flexible use Stationary position Stationary position Nominal voltage, cable Test voltage, cable Reference voltage	Cable	1 m, 3-wire, PVC
Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC	Jacket material	PVC
Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position > 5 x cable diameter Nominal voltage, cable Test voltage, cable Reference voltage	Cable diameter	4.5 mm
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage	Conductor cross section	0.25 mm ²
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage	Shielding	Unshielded
Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage	Bending radius	
Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage	Flexible use	> 10 x cable diameter
Test voltage, cable 2,000 V AC Reference voltage	Stationary position	> 5 x cable diameter
Reference voltage	Nominal voltage, cable	300 V AC
-	Test voltage, cable	2,000 V AC
48 V AC	Reference voltage	
40.110		48 V AC
60 V DC		60 V DC
Rated impulse voltage 1.5 kV		1.5 kV
Current loading 4 A	Current loading	4 A
Signal type Sensor/actuator cable	Signal type	
Torsion force 180°/1 m	Torsion force	180°/1 m
Torsion cycles 2,000,000	Torsion cycles	2,000,000
Cycles per minutes 35	Cycles per minutes	35
Application Zones with chemicals	Application	Zones with chemicals

Authorizations	UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	III
Specific insulation resistance	30 mΩ
Thermal resistance, piping	Flame retardant according to UL 1581 VW1 / CSA FT1

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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