

YF8U13-200VA1M2A13

Sensor/actuator cable





Ordering information

Туре	Part no.
YF8U13-200VA1M2A13	2110094

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



Detailed technical data

Technical specifications

Connection type head A Connector type head B Locking plug connector Screw connection Connector material TPU Connector color Locking nut material Seal material FKM Tightening torque Width across flats 9 (MS), 13 (M12) Jacket material PVC Jacket material Jacket color Conductor cross section Shielding Bending radius Flexible use Stationary position Flexible use Stationary position Face of Na A A Signal type Analization Screw connector, M12, 3-pin, straight, A-coded Male connector, M12, 3-pin, straight, A-coded Analization, A-coded Male connector, M12, 3-pin, straight, A-coded Male connector, M12, 3-pin, straight, A-coded Male connector, M12, 3-pin, straight, A-coded Analization, A-coded Male connector, M12, 3-pin, straight, A-coded TPU Male connector, M12, 3-pin, straight, A-coded TPU Screw connection TPU TPU Connector color Black TPU Connector color Black Input Connector color Screw connection TPU Connector color Black TRU TRU Type Screw connection Topic connector Screw connection Topic connector Typu Type Topic connector Typu Type Topic connector Typu Type Typ		
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 20 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 Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Connection type head A	Female connector, M8, 3-pin, straight, A-coded
Connector material Connector color Locking nut material Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 20 m, 3-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.5 mm Conductor cross section Shielding Unshielded Bending radius Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage Current loading Signal type Seal material Jinc die-cast, nickel-plated FKM Jinc die-cast, nickel-plated Jinc die-cast, nickel-plat	Connection type head B	Male connector, M12, 3-pin, straight, A-coded
Connector color Locking nut material Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 20 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 Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 20 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 Stationary position > 5 x cable diameter Cov VAC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Connector material	TPU
Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 20 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 Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Connector color	Black
Tightening torque Width across flats 9 (M8), 13 (M12) Cable 20 m, 3-wire, PVC Jacket material PVC Jacket color Cable diameter 4.5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Reference voltage ≤ 60 ∨ AC/DC Rated impulse voltage Current loading Sensor/actuator cable	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 9 (M8), 13 (M12) Cable 20 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 Flexible use > 10 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Seal material	FKM
Cable 20 m, 3-wire, PVC 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 Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Tightening torque	0.4 Nm (M8), 0.6 Nm (M12)
Jacket material PVC Gray 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter S x cable diameter > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Width across flats	9 (M8), 13 (M12)
Jacket color Cable diameter 4.5 mm 0.25 mm² Unshielded Bending radius Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage Current loading Signal type Sensor/actuator cable	Cable	20 m, 3-wire, PVC
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage Current loading 4 A Signal type 4.5 mm 4.5 mm 4.5 mm 6.025 mm² Unshielded Vacable diameter > 5 x cable diameter > 5 x cable diameter ≤ 60 V AC/DC Sensor/actuator cable	Jacket material	PVC
Conductor cross section Shielding Bending radius Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage Current loading Signal type 0.25 mm² Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter Sensor/actuator cable	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading Signal type Sensor/actuator cable	Cable diameter	4.5 mm
Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Conductor cross section	0.25 mm ²
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Shielding	Unshielded
Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Bending radius	
Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Flexible use	> 10 x cable diameter
 ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable 	Stationary position	> 5 x cable diameter
Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable	Reference voltage	
Current loading 4 A Signal type Sensor/actuator cable		≤ 60 V AC/DC
Signal type Sensor/actuator cable	Rated impulse voltage	1.5 kV
,	Current loading	4 A
Application Zones with chemicals	Signal type	Sensor/actuator cable
Uncontaminated zones	Application	Zones with chemicals Uncontaminated zones
Authorizations UL	Authorizations	UL
UL File No. E335179	UL File No.	E335179
Enclosure rating IP65 / IP66K / IP67	Enclosure rating	IP65 / IP66K / IP67
Operating temperature	Operating temperature	
Flexible use -5 °C +80 °C	Flexible use	-5 °C +80 °C

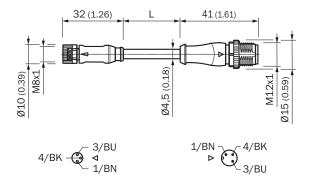
YF8U13-200VA1M2A13 | Sensor/actuator cable

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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