# YF8U14-100VA3XLEAX

Sensor/actuator cable



## YF8U14-100VA3XLEAX | Sensor/actuator cable





Туре	Part no.
YF8U14-100VA3XLEAX	2095890

Other models and accessories -> www.sick.com/Sensor\_actuator\_cable



#### Detailed technical data

### Technical specifications

Connection type head AFemale connector, M8, 4-pin, straight, A-codedConnection type head BKip (leadsConnector metrialSere connectionConnector oneBackConnector oneMack - A connectionConnector oneMack - A connectionConnector oneMack - A connectionSeal materialSere connectionContact oneMack - A connectionSeal materialMack - A connectionCableMack - A connection<		
Acking pice on metric         Screw connection           Connector material         TPU           Connector color         Back           Connector color         Back           Connector color         Condecast, nickelplated           Connector color         FKM           Seal material         0.4 Nm           Youth across flats         9           Cable         10m, 4-wire, PVC           Cable         Conductor color           Cable         0.25 mm <sup>2</sup> Cable         0.25 mm <sup>2</sup> Cable         0.25 mm <sup>2</sup> Conductor cross section         0.25 mm <sup>2</sup> Stationary position         2.5 x cable diameter           Stationary position         5.5 x cable diameter           Stationary position         2.000 VAC           Reference voltage         Sin VAC           Coro UC         Cov DC           Rated inpulse voltage         1.5 kV           Con voltage, cable         1.5 kV           Signal type         Ansov/actuator cable           Signal type         Serswitchermicals	Connection type head A	Female connector, M8, 4-pin, straight, A-coded
Conect or olorFUConector colorBackLocking nut materialCo die cast, nickel-platedSeal materialFKMTightening torque0.4 NmVidth across flats9Cable10m, 4-wire, PVCJacket materialPVCJacket color6ayCable diameter8.8 mmConductor cross section0.25 mm²SheldingNosheildedStationary position> 5 cable diameterStationary position> 5 x cable diameterStationary position> 50 x Cable d	Connection type head B	Flying leads
Connector colorBickLocking nut materialColdecast, nickel-platedSeal materialKMTigtening torque0.4 NmWitht across flats9Cable10m, 4.wire, PVCLaket colorColdeJacket color6%Cable diameter6%Cable diameter0.2 Sm.?Scholding0.2 Sm.?Stationary position10 Acable diameterStationary position0.1 ScholdingFlexible and Stationary position0.1 ScholdingStationary position0.1 ScholdingStationary position0.1 ScholdingReference voltageSolv ACCarter loading0.5 VACarter loading0.5 VAStationary position0.5 VACarter loading0.4 NaStationary position0.5 VAStationary posi	Locking plug connector	Screw connection
Locking nut materialZindiedex, lickelepitedSeal materialKMTightening torque0.4 NmVitth across flats0Cable0.1 Nu-vice, PCLaket color0.6 NuCable diameter0.5 NuCable diameter0.5 NuCable diameter0.5 NuStationary onto0.5 NuStatio	Connector material	TPU
Sel materialKMTigtening torque0.4 NmWitht across flats0Cabe10m, 4wire, PCCJacket materialColoJacket color0.5 NmCatle diameter0.2 Smm?Shelding0.5 NmBending radius0.5 NmStoronzy possib0.5 Nm<	Connector color	Black
Tightening torque0.4 NmWith across flats0.4 NmWith across flats0.4 NmCable0.1 MmJacket notarial0.6 NmJacket notarial0.6 NmCable diameter0.1 SmConductor coss section0.1 SmShelding0.1 SmBerling radius0.1 Scale diameterText notaria scale across section0.0 VANoninal voltage, cable0.0 VARest notaria scale across section0.0 VARest notaria scale across section across section0.0 VARest notaria scale across section across secti	Locking nut material	Zinc die-cast, nickel-plated
With across flats9Gable10m, 4wire, PVCJacket color6m/4Jacket color6m/4Cable diameter6m/4Coductor cross section0.25 mm²Shelding0.25 mm²Bending radius-Flexible wa5 x cable diameterStationary position90 VACTotatge, cable300 VACReference voltage50 x Cable diameterSolv AC50 x Cable diameterSolv AC50 x Cable diameterStationary position50 x Cable d	Seal material	FKM
CableIon 4 wire, PVCJacket materialPCJacket colorGwJacket colorGwCable diameterA8 mmCoductor cross section0.25 mm²SheldingUshieldedShelding radius10x cable diameterStationary position30x QACConductor cost section0.00 VACRestriction of Conduction0.00 VACReference voltage000 VACReference voltageSi VACConductor cost section0.5 VACRetalinguisson5.0 VACRetalinguisson1.5 VACConcalinguisson0.5 VACStationary cost3.5 VACSignal typeA.4ApplicationSinor/actuator costeSignal typeSinor/actuator costeApplicationSinor/actuator costeSignal typeSinory costeSignal typeSinory costeApplicationSinory costeSignal typeSinory costeSignal type <th>Tightening torque</th> <th>0.4 Nm</th>	Tightening torque	0.4 Nm
Jacket materialPCJacket colorGayCable diameter4.8 m.Conductor cross section0.25 m.?SheldingD. SheldeSheldingJ. SheldeBending radius- 1.0 scale diameterStationary pois3.0 scale diameterStationary pois- 2.00 scale diameterStationary pois- 3.00 scale diameter	Width across flats	9
Jacket colorGragCable diameter4.8 m.Conductor coss section0.5 m.?SheldingJoshieldeShelding and use-Flexible to> 1.0 x.able diameterStationary note3.0 X.able diameterStationary note3.00 X.able diameterText oftage, cable-Stationary note-Stationary note	Cable	10 m, 4-wire, PVC
Cable diameter       4.8 ma         Conductor cross section       0.25 ma <sup>2</sup> Shelding       Unshielded         Shelding radius       > 10 x cable diameter         Flexible value       > 5 x cable diameter         Stationary position       > 300 VAC         Test voltage, cable       > 000 VAC         Reference voltage       > 000 VAC         Reference voltage       > 000 VAC         Rated impulse voltage       > 01 × Calle diameter         Stationary position       > 000 VAC         Rated impulse voltage       > 000 VAC         Rated impulse voltage       > 000 VAC         Rated impulse voltage       > 000 VAC         Stationary       > 000 VAC         Rated impulse voltage       > 000 VAC         Stationary       > 000 VAC         Rated impulse voltage       > 000 VAC         Stationary       > 000 VAC         Rated impulse voltage       > 000 VAC         Stationary       > 000 VAC         Rated impulse voltage       > 000 VAC         Stationary       > 000 VAC         Current loading       > 000 VAC         Stationary       > 000 VAC         Stationary       > 000 VAC         Sta	Jacket material	PVC
Conductor cross section.25 km²Sheiding.26 km²Sheiding radius.27 km²Flexibers.27 km²Stationaryosoi.27 km²Stationaryosoi.27 km²Stationaryosoi.27 km²Stationaryosoi.27 km²Ference voltage, cable.27 km²Reference voltage.27 km²Cartent loading.27 km²Stationaryosoi.27 km²Sta	Jacket color	Gray
ShieldingUnsidedBending radius- 10 colle diameterFexible us- 5 colle diameterStationary position- 5 colle diameterTothana votage, cable- 300 VACTest votage, cable- 300 VACReference votage	Cable diameter	4.8 mm
Bending radiusImage: constraint of the sector o	Conductor cross section	0.25 mm <sup>2</sup>
Flexibution       > 10 × cable diameter         Stationary position       > 5 × cable diameter         Nominal voltage, cable       > 00 × 0A         Test voltage, cable       > 00 × 0A         Reference voltage       > 00 × 0A         Reference voltage       > 00 × 0A         Rated impulse voltage       > 00 × 0A         Rated impulse voltage       > 00 × 0A         Gurrent loading       > 00 × 0A         Signal type       > 0A         Application       > Conservations         Signal type       > Sens with chemical Sense	Shielding	Unshielded
Stationary position       > 5 x cable diameter         Nominal voltage, cable       300 V AC         Test voltage, cable       2,000 V AC         Reference voltage       50 V AC         00 V AC       60 V AC <td< th=""><th>Bending radius</th><th></th></td<>	Bending radius	
Nominal voltage, cable300 VACTest voltage, cable2,000 VACReference voltage50 VACS0 VAC60 VDCRated impulse voltage1.5 kVCurrent loading4ASignal typeSensor/actuator cableApplicationConstraint actuator cable	Flexible use	> 10 x cable diameter
Test voltage, cable       2,000 VAC         Reference voltage       500 VAC         S00 VAC       500 VAC         Colored Colo	Stationary position	> 5 x cable diameter
Reference voltage       50 V AC         50 V AC       60 V DC         Rated impulse voltage       1.5 kV         Current loading       4 A         Signal type       Sensor/actual consel         Application       Conselication conselica	Nominal voltage, cable	300 V AC
SO VACSO VAC60 V DCRated impulse voltage1.5 kVCurrent loading4 ASignal typeSensor/actuator cableApplicationCons with chemicals uncontaminated zones	Test voltage, cable	2,000 V AC
Action60 V DCRated impulse voltage1.5 kVCurrent loading4 ASignal typeSensor/actuator cableApplicationConse with chemicals Uncontaminated zones	Reference voltage	
Rated impulse voltage     1.5 kV       Current loading     4 A       Signal type     Sensor/actuator cable       Application     Zones with chemicals Uncontaminated zones		50 V AC
Current loading     4 A       Signal type     Sensor/actuator cable       Application     Zones with chemicals Uncontaminated zones		60 V DC
Signal type     Sensor/actuator cable       Application     Zones with chemicals Uncontaminated zones	Rated impulse voltage	1.5 kV
Application Zones with chemicals Uncontaminated zones	Current loading	4 A
Uncontaminated zones	Signal type	Sensor/actuator cable
Authorizations UL	Application	
	Authorizations	UL

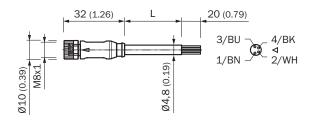
## YF8U14-100VA3XLEAX | Sensor/actuator cable

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))



#### **Recommended accessories**

Other models and accessories -> www.sick.com/Sensor\_actuator\_cable

	Brief description	Туре	Part no.		
Other mounting accessories					
	1 piece, M8 mounting key set for SW9 with calibrated torque 0.4 Nm	TOOL-TW04M08AF09	5337207		
Others					
	<ul> <li>Connection type head A: Male connector, M8, 4-pin, straight, A-coded</li> <li>Description: Unshielded</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: 0.14 mm<sup>2</sup> 0.5 mm<sup>2</sup></li> </ul>	STE-0804-G	6037323		
	<ul> <li>Connection type head A: Female connector, M8, 4-pin, straight, A-coded</li> <li>Description: Unshielded</li> <li>Connection systems: Screw-type terminals</li> <li>Permitted cross-section: 0.14 mm<sup>2</sup> 0.5 mm<sup>2</sup></li> </ul>	DOS-0804-G	6009974		

## 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."

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Online data sheet

