



DATA SHEET

# YF2A14-C60UB3M2A14

Sensor-actuator cables  
Connectors and cables

**SICK** Sensor Intelligence



CONNECTORS AND CABLES

YF2A14-  
C60UB3M2A14

ORDERING INFORMATION

| Type               | part no.                |
|--------------------|-------------------------|
| YF2A14-C60UB3M2A14 | <a href="#">2095999</a> |

Further device versions and accessories at [www.sick.com/Sensor-actuator\\_cables](http://www.sick.com/Sensor-actuator_cables)



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

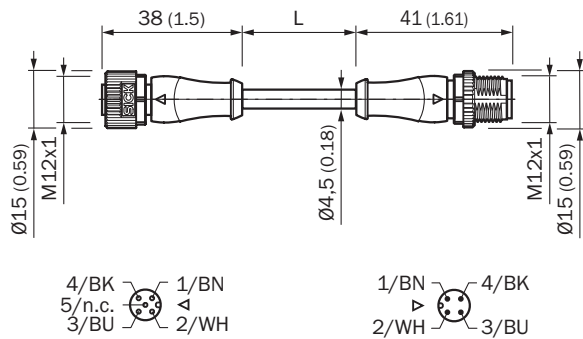
|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Connection type head A  | Female connector, M12, 4-pin, straight, A-coded |
| Connection type head B  | Male connector, M12, 4-pin, straight, A-coded   |
| Locking plug connector  | Screw connection                                |
| Connector material      | TPU                                             |
| Connector color         | Black                                           |
| Locking nut material    | Zinc die-cast, nickel-plated                    |
| Seal material           | FKM                                             |
| Tightening torque       | 0.6 Nm                                          |
| Width across flats      | 13                                              |
| Cable                   | 0.6 m, 4-wire, PUR, halogen-free                |
| Jacket material         | PUR, halogen-free                               |
| Jacket color            | Black                                           |
| Cable diameter          | 4.5 mm                                          |
| Conductor cross section | 0.34 mm <sup>2</sup>                            |
| Shielding               | Unshielded                                      |
| Bending radius          |                                                 |
|                         | Flexible use > 10 x cable diameter              |
|                         | Stationary position > 5 x cable diameter        |
|                         | Drag chain operation > 10 x cable diameter      |
| Bending cycles          | 10,000,000                                      |
| Nominal voltage, cable  | 300 V AC                                        |
| Test voltage, cable     | 2,500 V AC                                      |
| Reference voltage       | 250 V AC<br>250 V DC                            |
| Rated impulse voltage   | 2.5 kV                                          |
| Current loading         | 4 A                                             |
| Traversing speed        | 3 m/s                                           |
| Travelling distance     | 10 m                                            |

|                                |                                                                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Acceleration                   | ≤ 10 m/s <sup>2</sup>                                                                                                                       |
| Signal type                    | Sensor/actuator cable                                                                                                                       |
| Torsion force                  | 180° / 1 m                                                                                                                                  |
| Torsion cycles                 | 2,000,000                                                                                                                                   |
| Cycles per minutes             | 35                                                                                                                                          |
| Application                    | Drag chain operation<br>Zones with oils and lubricants<br>Robot                                                                             |
| UL File No.                    | E335179                                                                                                                                     |
| Enclosure rating               | IP65 / IP66K / IP67                                                                                                                         |
| Operating temperature          | Flexible use -25 °C ... +80 °C<br>Stationary position -40 °C ... +80 °C<br>Drag chain operation -25 °C ... +80 °C<br>Head -25 °C ... +85 °C |
| Contamination rating           | 3                                                                                                                                           |
| Insulation resistance          | 100 MΩ                                                                                                                                      |
| Overvoltage category           | III                                                                                                                                         |
| Specific insulation resistance | 30 mΩ                                                                                                                                       |
| Thermal resistance, piping     | Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, IEC 60332-2-2                                            |

## CERTIFICATES

|                                                      |   |
|------------------------------------------------------|---|
| EU declaration of conformity                         | ✓ |
| UK declaration of conformity                         | ✓ |
| Moroccan declaration of conformity                   | ✓ |
| China RoHS                                           | ✓ |
| China Compulsory Product Certification (CCC) ex-empt | ✓ |
| cULus certificate                                    | ✓ |

## DIMENSIONAL DRAWING



Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at [www.sick.com/2095999](http://www.sick.com/2095999)



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# SICK AT A GLANCE

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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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