AbN
automation

YF2ASD-200VD6XLECX

Sensor-actuator cables

CONNECTORS AND CABLES

SICK
Sensor Intelligence.

Ordering information

Type	part no.
YF2ASD-200VD6XLECX	2144853

Other models and accessories ➜ www.sick.com/Sensor-actuator_cables

CE UKCA

Detailed technical data

Technical specifications

Connection type head A	Female connector, M12, 17-pin, straight, A-coded
Connection type head B	Flying leads
Connection type	Flying leads
Connector material	TPU
Locking nut material	Zinc die-cast, nickel-plated
Seal material	NBR
Cable	20 m, 17-wire, stripped, PE-X
Jacket material	PE-X
Jacket color	Gray
Cable diameter	9.1 mm
Conductor cross section	7 x 2 x 0.14 mm² + 1 x 0.14 mm²
Shielding	Shielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Drag chain operation	> 10 x cable diameter
Bending cycles	1,000,000
Rated impulse voltage	1 kV
Current loading	2 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Special feature	Suitable for 2 A, Changed color coding of the flying leads
Application	Drag chain operation Zones with oils and lubricants
Note	Max. permissible current strength at ambient temperature 50 °C: Contact 1 (blue) and contact 2 (brown): 3 A while the remaining contacts are operated with max. 100 mA; max. permissible current strength at ambient temperature 40 °C: 2 A for two and 1.5 A for 15 contacts.
Authorizations	CE
Operating temperature	

Flexible use	−25 °C … +80 °C
Stationary position	−40 °C … +80 °C
Contamination rating	3
Overvoltage category	II
Specific insulation resistance	≥ 100 MΩ

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

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China-RoHS	✓

PIN assignment
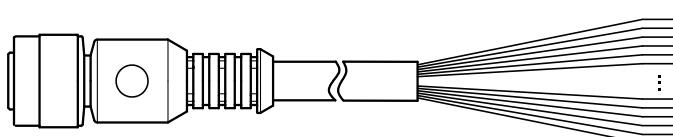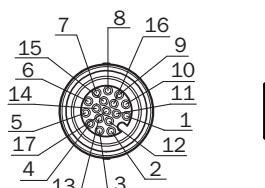
① blue
② Brown
③ Green
④ White
⑤ Pink
⑥ Yellow
⑦ Black
⑧ Gray
⑨ White-black

⑩ Violet
⑪ Gray-pink
⑫ Red-blue
⑬ White-green
⑭ Brown-green
⑮ White-yellow
⑯ Yellow-brown
⑰ White-gray

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."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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