



DATA SHEET

YF2A15-020UB5XLEAX

Sensor-actuator cables
Connectors and cables



CONNECTORS AND CABLES

YF2A15-020UB5XLEAX

ORDERING INFORMATION

Type	part no.
YF2A15-020UB5XLEAX	2095617



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

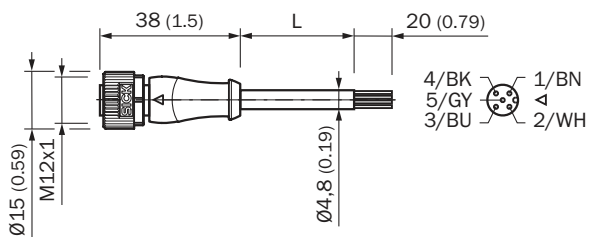
Connection type head A	Female connector, M12, 5-pin, straight, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	FKM
Tightening torque	0.6 Nm
Width across flats	13
Cable	2 m, 5-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.8 mm
Conductor cross section	0.34 mm ²
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	
	125 V AC
	125 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Traversing speed	3 m/s
Travelling distance	10 m

Acceleration	≤ 10 m/s ²
Signal type	Sensor/actuator cable
Torsion force	180° / 1 m
Torsion cycles	2,000,000
Cycles per minutes	35
Application	Drag chain operation Zones with oils and lubricants Robot
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	Flexible use -25 °C ... +80 °C Stationary position -40 °C ... +80 °C Drag chain operation -25 °C ... +80 °C 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) exempt	✓
cULus certificate	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD di-



SICK AG
WALDKIRCH
GERMANY

SICK AT A GLANCE

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