

YF2A15-020C1BM2A15

Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YF2A15-020C1BM2A15	2106279

Other models and accessories -> www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables



Detailed technical data

Technical specifications

Accessory group Accessory family Connection type head A Connection type head B Locking plug connector Connector material Locking nut material Seal material Tightening torque Width across flats Cable Jacket material Jacket color Cable diameter Conductor cross section Shelding Bending radius Flexible use Stationary position Connector material, A-coded Male connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded Female connector, M12, 5-pin, straight, A-coded Acceded Female connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded Acceded Female connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded Acceded Female connector, M12, 5-pin, straight, A-coded Acceded Acceded Acceded Female connector, M12, 5-pin, straight, A-coded Acceded Ac
Connection type head A Connection type head B Male connector, M12, 5-pin, straight, A-coded Connector type head B Locking plug connector Connector material Connector color Black Locking nut material Cinc die-cast, nickel-plated FKM Connector glass Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material Jacket color Conductor cross section Violet Conductor cross section Shielding Bending radius Flexible use Flexible use Flexible use Flexible use Flexible use Flexible use Flexible use Figure And Connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded Male connector, M12, 5-pin, straight, A-coded And Connector Connector Flexible use Flexible
Connection type head B Male connector, M12, 5-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 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Violet Cable diameter 6.9 mm Conductor cross section 0.25 mm² + 0.35 mm² + 1 x drain wire Shielding Shielded Bending radius > 10 x cable diameter
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, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Violet Cable diameter 6.9 mm Conductor cross section 0.25 mm² + 0.35 mm² + 1x drain wire Shielding Shielded Bending radius > 10 x cable diameter
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FKM Tightening torque 0.6 Nm Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Violet Cable diameter 6.9 mm Conductor cross section Shielding Bending radius Flexible use Flexible use Flexible use FKM 0.6 Nm 2 m, 4-wire, PUR, halogen-free Violet Cable diameter Violet 6.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielded Flexible use > 10 x cable diameter
Tightening torque Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material Jacket color Violet Cable diameter Conductor cross section Shielding Bending radius Flexible use 0.6 Nm 13 2 m, 4-wire, PUR, halogen-free PUR, halogen-free Violet 6.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielded > 10 x cable diameter
Width across flats 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Violet Cable diameter Conductor cross section Shielding Bending radius Flexible use 13 2 m, 4-wire, PUR, halogen-free Violet 0.25 mm 4 vire, PUR, halogen-free Violet 0.9 mm 0.25 mm 2 + 0.35 mm 2 + 1 x drain wire Shielded Flexible use > 10 x cable diameter
Cable 2 m, 4-wire, PUR, halogen-free PUR, halogen-free Violet Cable diameter Conductor cross section Shielding Bending radius Flexible use 2 m, 4-wire, PUR, halogen-free PUR, halogen-free Violet 6.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielded Flexible use > 10 x cable diameter
Jacket material Jacket color Violet Cable diameter Conductor cross section Shielding Bending radius Flexible use PUR, halogen-free Violet 0.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielded Flexible use > 10 x cable diameter
Violet Cable diameter Conductor cross section Shielding Bending radius Flexible use Violet 6.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielded Shielded > 10 x cable diameter
Cable diameter 6.9 mm 0.25 mm² + 0.35 mm² + 1 x drain wire Shielding Shielded Flexible use > 10 x cable diameter
Conductor cross section 0.25 mm² + 0.35 mm² + 1 x drain wire Shielding Shielded Flexible use > 10 x cable diameter
Shielding Bending radius Flexible use > 10 x cable diameter
Bending radius Flexible use > 10 x cable diameter
Flexible use > 10 x cable diameter
Stationary position > 6 x cable diameter
Drag chain operation > 10 x cable diameter
Bending cycles 1,000,000
Nominal voltage, cable 300 V AC
Test voltage, cable 2,000 V AC
Reference voltage
48 V AC
60 V DC
Rated impulse voltage 1.5 kV
Current loading 4 A
Traversing speed 3 m/s

Travelling distance	5 m
Acceleration	≤ 5 m/s²
Signal type	Fieldbus, CANopen, DeviceNet™
Application	Drag chain operation Zones with oils and lubricants
Authorizations	CE UL
UL File No.	E513908
Enclosure rating	IP65 / IP66K / IP67
Ambient operating temperature	
Flexible use	-30 °C +70 °C
Stationary position	-40 °C +80 °C
Drag chain operation	-30 °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 acc. to UL 1581 Section 1090, Section 1100 (FT2) / IEC 60332-1-2

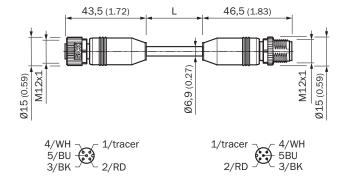
Classifications

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

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Dimensional drawing (Dimensions in mm (inch))



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