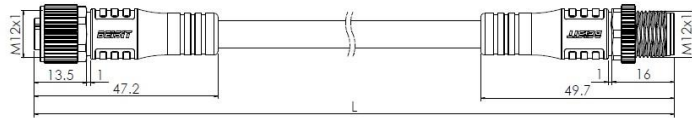


Actuator and sensor cable, PVC-Extension cable, M12, A-coding, 3-pin, Shielding



Typecode M12A03CZF1ZCZM1V050N00
ID 1006050000231

Technical Data*

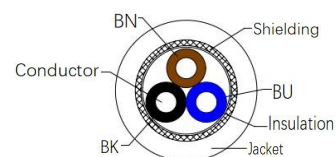
Connector A	
Connector	Female, M12 x 1, straight, A-coding
Number of pins	3-pin
Contacts	Brass, Gold-plated
Coupling nut/screw	Zinc, Nickel-plated
Contact carriers	PA
Seal	FKM
Connector body	PUR, black
LED	No
Mechanical lifespan	≥ 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Locking mode	Screw, M12 x 1
Standard	IEC 61076-2

Connector B	
Connector	Male, M12 x 1, straight, A-coding
Number of pins	3-pin
Contacts	Brass, Gold-plated
Coupling nut/screw	Zinc, Nickel-plated
Contact carriers	PA
Seal	No
Connector body	PUR, black
LED	No
Mechanical lifespan	≥ 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Locking mode	Screw, M12 x 1
Standard	IEC 61076-2

Features

- M12, Female, straight, 3-pin
- M12, Male, straight, 3-pin
- Stripping of cable tail jacket
- Cable jacket material: PVC
- Jacket color: black
- Resistant to chemicals, oils and radiation
- Resistant to salt spray
- Anti vibration
- Protection class: IP67
- RoHS-compliant
- Approval: cULus, CE

Cable structure



Technical Data*

Cable

Cable length	5.0 m
Cable diameter	Ø 5.20 mm ±0.20 mm
Cable jacket	PVC, black
Sheath stripping length	/
Shielding	Yes
Core insulation	PVC
Label for cables	L=20 mm, PVC
Core colors	1-BN, 3-BU, 4-BK
Core cross-section	3 x 0.34 mm ²

Electrical properties

Connector rated voltage	250 V
Connector rated current	4 A
Connector insulation resistance	≥100 MΩ
Cable rated voltage	300 V
Cable test voltage	2000 V
Cable conductor resistance	≤55.4 Ω/km

Mechanical and chemical properties

Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥1 Mio.

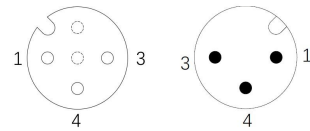
Operation temperature

Ambient temperature range (stationary)	-25 °C ... 80 °C
Ambient temperature range (in motion)	-5 °C ... 80 °C

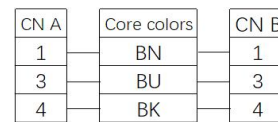
Commercial data

Country of origin	CN
Packaging unit	1 pc

Contact assignment



Connection diagram



*这里所列的是设计数据，有关产品的变更不在此做说明，未尽事宜请联系客服。用户有责任验证功能、符合适用的法律和指令以及在特定应用中的电气安全。