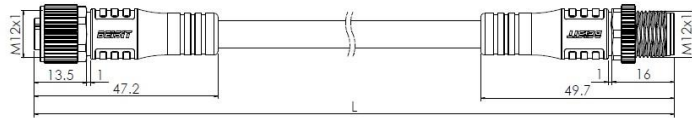


Actuator and sensor cable, PUR-Extension cable, M12, A-coding, 12-pin, Shielding



Typecode M12A12CZF2ZCZM1U050S00
ID 1006050000224

Technical Data*

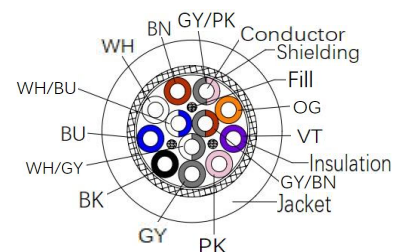
Connector A	
Connector	Female, M12 x 1, straight, A-coding
Number of pins	12-pin
Contacts	Brass, Gold-plated
Coupling nut/screw	Zinc, Nickel-plated
Contact carriers	PA
Seal	FKM
Connector body	PUR, black
LED	No
Mechanical lifespan	≥100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Locking mode	Screw, M12 x 1
Standard	IEC 61076-2

Connector B	
Connector	Male, M12 x 1, straight, A-coding
Number of pins	12-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, 12-pin
- M12, Male, straight, 12-pin
- Stripping of cable tail jacket
- Cable jacket material: PUR
- Jacket color: black
- Resistant to chemicals and oils
- Resistant to salt spray
- Resistance to welding sparks
- Resistant to abrasion
- Suitable for mobile cabling applications
- Anti vibration
- Protection class: IP67
- RoHS-compliant
- Approval: cULus, CE

Cable structure



Technical Data*

Cable

Cable length	5.0 m
Cable diameter	Ø 6.8 mm ±0.25 mm
Cable jacket	PUR, black
Sheath stripping length	/
Shielding	Yes
Core insulation	PP
Label for cables	L=20 mm, PVC
Core colors	1-BN,2-WH,3-BU,4-BK,5-GY,6-PK,7-VT,8-OR 9-GY/PK, 10-WH/BU, 11-WH/GY, 12-GY/BN
Core cross-section	12 x 0.14 mm ²

Electrical properties

Connector rated voltage	30 V
Connector rated current	1.5 A
Connector insulation resistance	≥100 MΩ
Cable rated voltage	300 V
Cable test voltage	2000 V
Cable conductor resistance	≤140 Ω/km

Mechanical and chemical properties

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

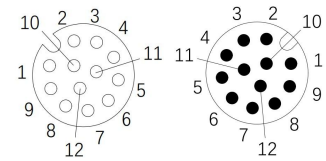
Operation temperature

Ambient temperature range (stationary)	-40 °C ... 80 °C
Ambient temperature range (in motion)	-25 °C ... 80 °C

Commercial data

Country of origin	CN
Packaging unit	1 pc

Contact assignment



Connection diagram

CN A	Core colors	CN B
1	BN	1
2	WH	2
3	BU	3
4	BK	4
5	GY	5
6	PK	6
7	VT	7
8	OG	8
9	GY/PK	9
10	WH/BU	10
11	WH/GY	11
12	GY/BN	12

*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。