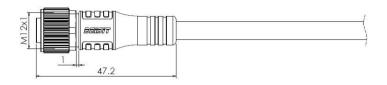


Actuator and sensor cable, PUR-Connection cable, M12, A-coding, 8-pin, Shielding















Typecode M12A08CZF2ZU050S00

ID 1006050000130

Technical Data*

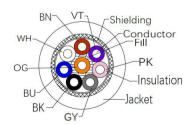
Connector A		
Connector	Female, M12 x 1, straight, A-coding	
Number of pins	8-pin	
Contacts	Brass, Gold-plated	
Coupling nut/screw	Zinc, Nickel-plated	
Contact carriers	PA	
Seal	FKM	
Connector body	PUR, black	
LED	No	
Mechanical lifespan	≥100 Mating cycles	
Pollution degree	3	
Protection class	IP67, Only in screwed condition	
Locking mode	Screw, M12 x 1	
Standard	IEC 61076-2	

Cable		
Cable length	5.0 m	
Cable diameter	Ø 6.40 mm ±0.30 mm	
Cable jacket	PUR, black	
Sheath stripping length	50 mm	
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-OG	
Conductor structure	32/0.10 mm, Bare copper, stranded	
Core cross-section	8 x 0.25 mm ²	

Features

- M12, Female, straight, 8-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

Electrical properties	
Connector rated voltage	30 V
Connector rated current	2 A
Connector insulation resistance	≥100 MΩ
Cable rated voltage	300 V
Cable test voltage	2000 V
Cable conductor resistance	≤87.6 Ω/km

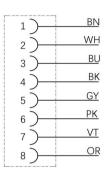
Contact assignment



Mechanical and chemical properties

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

Connection diagram



Operation temperature

Ambient temperature range (stationary) $-40~^{\circ}\text{C} \cdots 80~^{\circ}\text{C}$ Ambient temperature range (in motion) $-25~^{\circ}\text{C} \cdots 80~^{\circ}\text{C}$

Commercial data		
Country of origin	CN	
Packaging unit	1 pc	

^{*} Please note that the data specified here were design data, and the parameters of product are subject to changes without prior notice. Matters not mentioned herein. Please contact customer service. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.