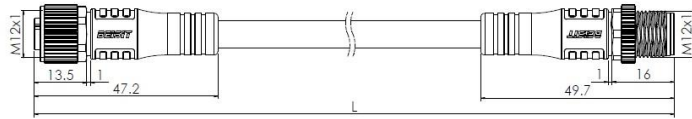


## Actuator and sensor cable, PVC-Extension cable, M12, A-coding, 5-pin, Shielding



**Typecode** M12A05CZF1ZCZM1V050N00  
**ID** 1006050000235

### Technical Data\*

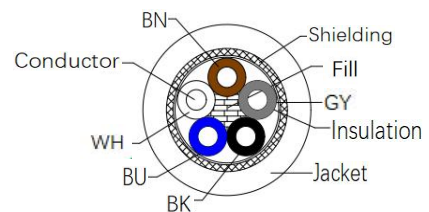
| Connector A         |                                     |
|---------------------|-------------------------------------|
| Connector           | Female, M12 x 1, straight, A-coding |
| Number of pins      | 5-pin                               |
| Contacts            | Brass, Gold-plated                  |
| 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      | 5-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, 5-pin
- M12, Male, straight, 5-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 6.0 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, 2-WH, 3-BU, 4-BK, 5-GY |
| Core cross-section      | 5 x 0.34 mm <sup>2</sup>     |

### Electrical properties

|                                 |            |
|---------------------------------|------------|
| Connector rated voltage         | 60 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.  |

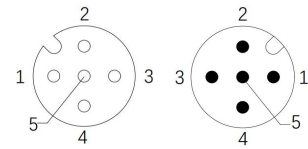
### Operation temperature

|                                        |                  |
|----------------------------------------|------------------|
| 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

| CN A | Core colors | CN B |
|------|-------------|------|
| BN   | 1           | BN   |
| WH   | 2           | WH   |
| BU   | 3           | BU   |
| BK   | 4           | BK   |
| GY   | 5           | GY   |

\*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。