

Type codes

| | | |
|-----------|------------------|--|
| 001 | Series | |
| KV | Connecting cable | |

| | | |
|------------|---|--|
| 002 | Connection technology left, field device side | |
| M12 | Socket M12x1 A-coded, EN 61076-2-101 | |

| | | |
|------------|--|--|
| 003 | Connection technology right, controller side | |
| M12 | Plug M12x1 A-coded, EN 61076-2-101 | |

| | | |
|------------|--------------|--|
| 004 | Cable length | |
| 1,5 | 1.5 m | |
| 3,5 | 3.5 m | |

Datasheet

Connecting cable KV-M12

- Connecting cable
- Pre-assembled at both ends
- Cable lengths: 1.5 m and 3.5 m



| General technical data | | |
|--|----------------------------------|----------------------------|
| Cable designation | Via accessories | |
| Technical data – Electrical connection 1 | | |
| Function | Field device side | |
| Connection type | Socket | |
| Cable outlet | Straight | |
| Design | Round | |
| Connection technology | M12x1, A-coded to EN 61076-2-101 | |
| Number of pins/cores | 5 | |
| Assigned pins/cores | 5 | |
| Type of mounting | Screw-type lock | |
| Technical data – Electrical connection 2 | | |
| Function | Controller side | |
| Connection type | Plug | |
| Cable outlet | Straight | |
| Design | Round | |
| Connection technology | M12x1, A-coded to EN 61076-2-101 | |
| Number of pins/cores | 5 | |
| Assigned pins/cores | 5 | |
| Type of mounting | Screw-type lock | |
| Technical data – Electrics | | |
| Operating voltage range | [V DC] | 0 ... 30 |
| | [V AC] | 0 ... 30 |
| Surge resistance | [kV] | 1.5 |
| Current rating at 40°C | [A] | 4 |
| Contact durability | | 500 |
| Additional functions | | Pin 5 of plug leading |
| Pollution degree | | 3 |
| Shielding | | Yes |
| Technical data – Cable | | |
| Cable diameter | [mm] | 5 |
| Cable composition | [mm ²] | 4x0.34, screened |
| Nominal conductor cross section | [mm ²] | 0.34 |
| Cable characteristic | | Standard |
| Test conditions, cable | | Test conditions on request |

Datasheet

| Materials | |
|------------------------|----------------------|
| Housing | TPE-U(PUR) |
| Housing colour | Black |
| Screw-type lock | Brass, nickel-plated |
| Seals | FPM |
| Pin contacts | Bronze, gold-plated |
| | Gold-plated brass |
| Cable sheath | TPE-U(PUR) |
| Cable sheath colour | Light grey |
| Insulating sheath | PVC |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364-B2-L |

| Operating and environmental conditions | | |
|--|------|------------------------|
| Ambient temperature | [°C] | -25 ... +70 |
| Ambient temperature with flexible cable installation | [°C] | -5 ... +70 |
| Corrosion resistance class CRC ¹⁾ | | 2 |
| CE marking (see declaration of conformity) ²⁾ | | To EU RoHS Directive |
| UKCA marking (see declaration of conformity) ²⁾ | | To UK RoHS regulations |
| Degree of protection | | IP65 |
| | | IP67 |
| Note on degree of protection | | In mounted state |

1) More information www.festo.com/x/topic/crc

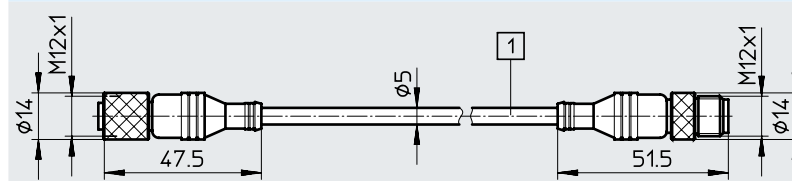
2) More information www.festo.com/catalogue/... → Support/Downloads.

| Circuitry (socket/plug view) | | | | |
|---|-----|---------------------------|-----|---|
| Electrical connection 1 | Pin | Wire colour ¹⁾ | Pin | Electrical connection 2 |
|  | 1 | BN | 1 |  |
| | 2 | WH | 2 | |
| | 3 | BU | 3 | |
| | 4 | BK | 4 | |
| | 5 | Shielding | 5 | |

1) To IEC 757

Dimensions

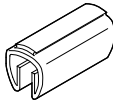
Download CAD data → www.festo.com



[1] Cable, length 1.5 m or 3.5 m depending on the order

Datasheet

| Ordering data | | Cable length [m] | Part no. | Type |
|---|--|---------------------|---------------|-----------------------|
| Socket M12x1, 5-pin – plug M12x1, 5-pin | | 1.5 | 529044 | KV-M12-M12-1.5 |
| | | 3.5 | 530901 | KV-M12-M12-3.5 |

| Ordering data – Accessories | | | Part no. | Type |
|--|--|----------|--------------|--------------|
|  | Inscription labels for attaching to a cable with diameter 5 ... 8 mm | 11x20 mm | 33361 | KM-BZ |