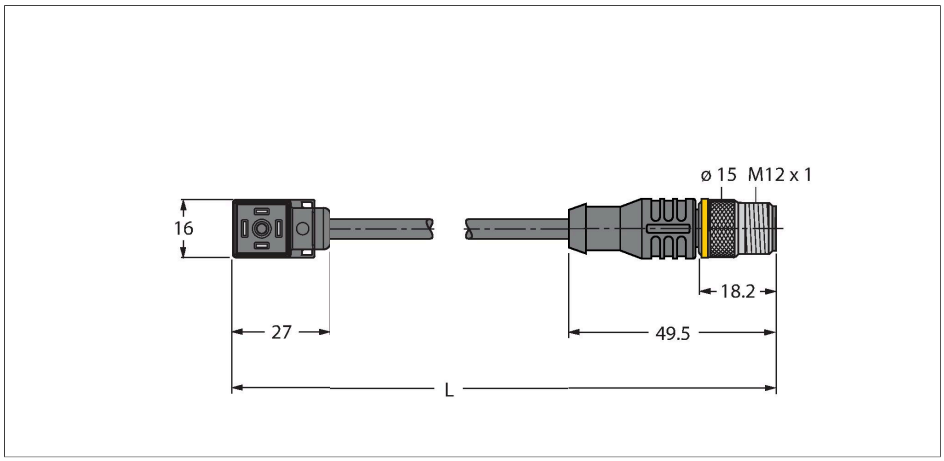
# VC9S22-T80E-5-RSC5.31T/TEL
# Valve connector CI type – Extension Cable




## Features

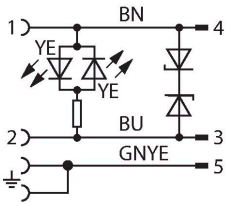
- 2-pin + PE, bridged
- Design according to the DIN EN 175301-803
- RoHS-compliant
- Protection class: IP65, IP67, IP68
- Protective component: Z-diode
- M12 male, straight, 2-pin + PE
- Sheath material: PVC
- Sheath color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS-free
- Cable length: 5.0 m

## Technical data

| | |
|---|---|
| Type | VC9S22-T80E-5-RSC5.31T/TEL |
| ID | 6606935 |
| **Connector A** | Valve connector, Design CI |
| Number of Pins | 2+PE, PE bridged |
| Contacts | Metal, CuSn, Silver-plated |
| Contact carriers | Plastic, PA, Black |
| Connector body | Plastic, TPU, Black/Translucent |
| Protective component | Z diode |
| Seal | Plastic, TPU |
| Display switch state | LED, Yellow/Yellow |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP65, IP67, IP68, (mounted) |
| **Connector B** | Male, M12 × 1, Straight |
| Number of pins | 2+PE |
| Contacts | Metal, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated |
| Tightening torque | 0.8 … 1 Nm |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, IP69K, Only when screwed together |
| Cable diameter | Ø 5.3 mm ±0.20 |
| Cable length | 5 m |
| Cable jacket | PVC, Black |
| Core insulation | PVC |

## Contact assignment


## Circuit Diagram



## Technical data

| | |
|---|---|
| Core cross-section | 3 x 0.34 mm² |
| Arrangement of strands | 19 x 0.15 mm |
| Core colors | BN, BU, GNYE |
| **Electrical properties at +20 °C** | |
| Rated voltage | 24 V |
| Test voltage | 2000 V |
| Current | 4 A |
| Insulation resistance | > 1 MΩ/km |
| Insulation resistance | ≥ $10^8$ Ω |
| forward resistance | max. 57 Ω/km |
| **Mechanical and chemical properties** | |
| Bending radius (stationary installation) | ≥ 5 x Ø |
| Bending radius (flexible use) | ≥ 10 x Ø |
| Ambient temperature range (stationary) | -40 °C…+105 °C |
| Ambient temperature range (In motion) | 0 °C…+80 °C |
| Mounting screw | Brass, CuZn, nickel-plated |