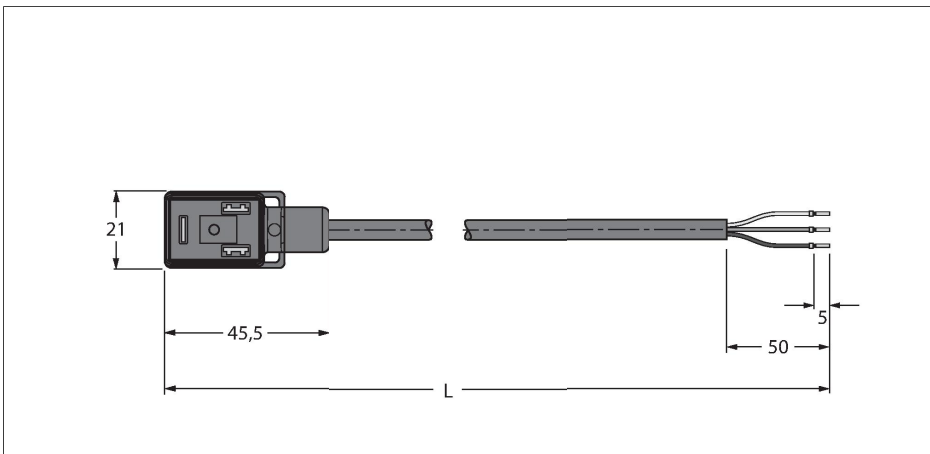


# VIS02-L80E-10/TXL

## Valve connector BI type – Connection Cable



### Features

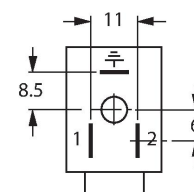


- 2-pin + PE
- Design according to the DIN EN 175301-803
- RoHS-compliant
- Protection class: IP65, IP67, IP68
- Without protective circuitry
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals and oils
- UV and ozone resistance
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Cable length: 10 m

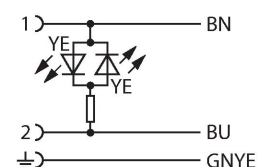
### Technical data

|                                 |                                 |
|---------------------------------|---------------------------------|
| Type                            | VIS02-L80E-10/TXL               |
| ID                              | 6606851                         |
| Connector A                     | Valve connector, Design BI      |
| Number of Pins                  | 2+PE                            |
| Contacts                        | Metal, CuSn, Silver-plated      |
| Contact carriers                | Plastic, PA, Black              |
| Connector body                  | Plastic, TPU, Black/Translucent |
| Protective component            | without protective circuitry    |
| Seal                            | Plastic, TPU                    |
| Display switch state            | LED, Yellow/yellow              |
| Mechanical lifespan             | > 100 Mating cycles             |
| Pollution degree                | 3                               |
| Protection class                | IP65, IP67, IP68, (mounted)     |
| Cable diameter                  | Ø 5.7 mm ±0.20                  |
| Cable length                    | 10 m                            |
| Cable jacket                    | PUR, Black                      |
| Core insulation                 | PP                              |
| Core cross-section              | 3 x 0.75 mm <sup>2</sup>        |
| Arrangement of strands          | 42 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 <sup>8</sup> Ω             |
| forward resistance              | max. 26 Ω/km                    |

### Contact assignment



### Circuit Diagram



## Technical data

| Mechanical and chemical properties              |                                |
|-------------------------------------------------|--------------------------------|
| Max. tensile strength (static)                  | $\leq 50 \text{ N/mm}^2$       |
| Max. tensile strength (dynamic)                 | $\leq 20 \text{ N/mm}^2$       |
| Bending radius (stationary installation)        | $\geq 5 \times \varnothing$    |
| Bending radius (flexible use)                   | $\geq 10 \times \varnothing$   |
| Bending cycles                                  | $\geq 3 \text{ million}$       |
| Admissible acceleration                         | max. $5 \text{ m/s}^2$         |
| Admissible travel path, horizontal              | 5 m (at $5 \text{ m/s}^2$ )    |
| Admissible travel path, vertical                | 2 m (at $5 \text{ m/s}^2$ )    |
| Admissible traversing speed                     | 3.3 m/s                        |
| Torsional stress                                | $\pm 180^\circ/\text{m}$       |
| Ambient temperature range (stationary)          | $-40 \dots +80^\circ \text{C}$ |
| Ambient temperature range (In motion)           | $-30 \dots +90^\circ \text{C}$ |
| Ambient temperature during drag chain operation | $-25 \dots +60^\circ \text{C}$ |
| Mounting screw                                  | Brass, CuZn, nickel-plated     |