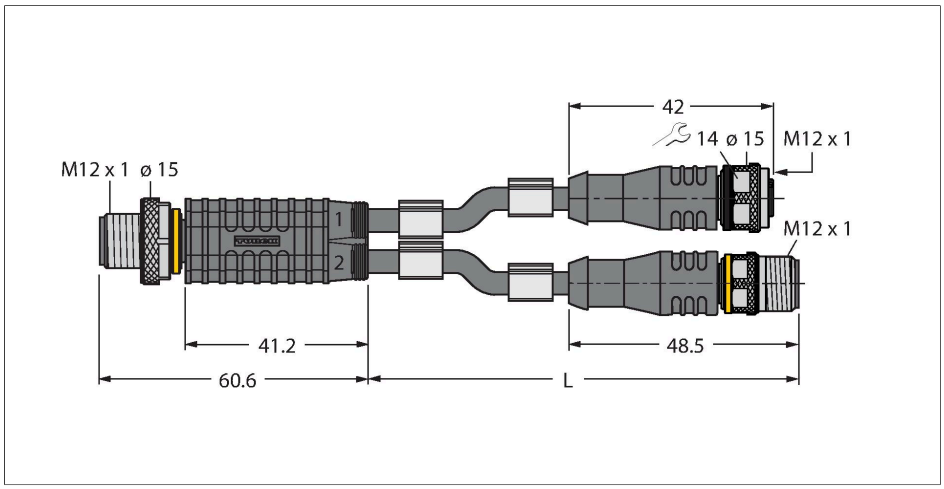
# VB-IO-LINK-CLASS-B-POWER-0.3/0.3/TXL
# 2-Way Splitter – Y-Splitter with Cable, M12 × 1 Male - Female, M12 × 1 Male



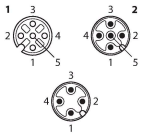

## Features

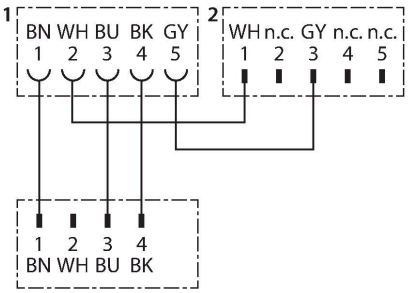
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS-compliant
- Protection class: IP67
- Cable length: 0.3/0.3 m

## Technical data

| | |
|---|---|
| Type | VB-IO-LINK-CLASS-B-POW-ER-0.3/0.3/TXL |
| ID | 6629516 |
| Distributed I/O | Y-splitter, 2 -port |
| Connector A | Male, M12 × 1, Straight |
| Number of pins | 4 |
| Contacts | Metal, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, Only in screwed condition |
| Connector B | Female Connector, Male Connector, M12 × 1, Straight |
| Number of Pins | 5 |
| Contacts | Metal, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated |
| Seal | Plastic, FPM/FKM |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, Only when screwed together |
| Cable diameter | Ø 4.3 mm ±0.20 |
| Cable length | 0.3 m, 0.3 m |

## Contact assignment



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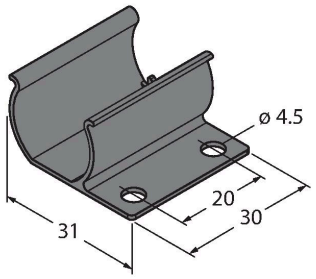
## Technical data

| | |
|---|---|
| Cable jacket | PUR, Black |
| Core insulation | PP |
| Core cross-section | 3 x 0.34 mm² |
| Arrangement of strands | 42 x 0.1 mm |
| Core colors | BN, BU, BK |
| **Electrical properties at +20 °C** | |
| Rated voltage | 48 V |
| Test voltage | 2000 V |
| Current | 4 A |
| Insulation resistance | > 30.5 MΩ/km |
| forward resistance | max. 57.5 Ω/km |
| **Mechanical and chemical properties** | |
| Max. tensile strength (static) | ≤ 50 N/mm² |
| Max. tensile strength (dynamic) | ≤ 20 N/mm² |
| Bending radius (stationary installation) | ≥ 5 x Ø |
| Bending radius (flexible use) | ≥ 10 x Ø |
| Bending cycles | ≥ 5 million |
| Admissible acceleration | max. 5 m/s² |
| Admissible travel path, horizontal | 5 m (at 5 m/s²) |
| Admissible traversing speed | 3.3 m/s |
| Torsional stress | ± 180 °/m |
| Ambient temperature (fixed) | -50…+80 °C |
| Ambient temperature (mobile) | -25…+80 °C |
| Ambient temperature (drag chain) | -25…+60 °C |

## Sonic cones



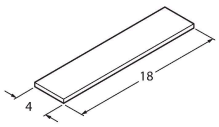

## Accessories

| | |
|---|---|
| TORQUE-WRENCH-SET-AS | 6936170 |

Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

| | |
|---|---|
| BLANK-LABEL-FOR-CORDSETS-TEL-TXL | 6936206 |

Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant

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