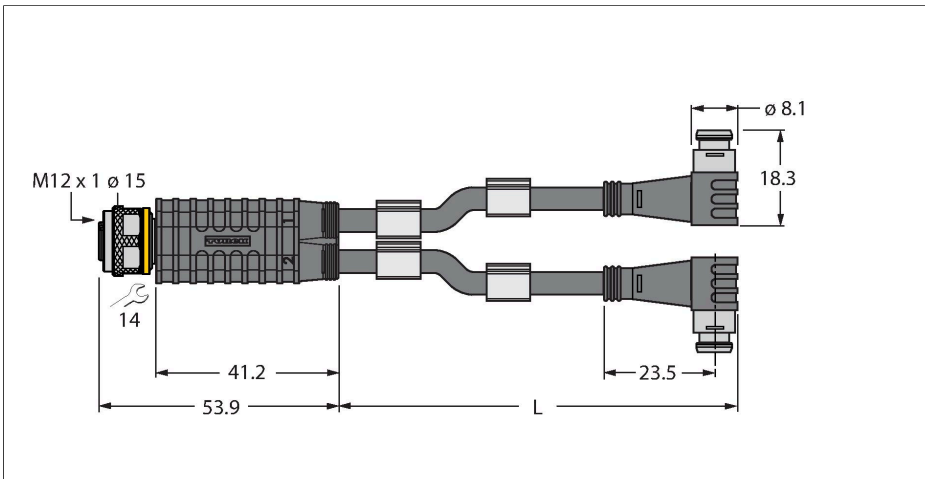


# VBRK4.4-2PSW3S-1/1/TXL

## 2-Way Splitter – Y-Splitter with Cable, M12 × 1 Female - 2x Male Ø 8 mm



### Technical data

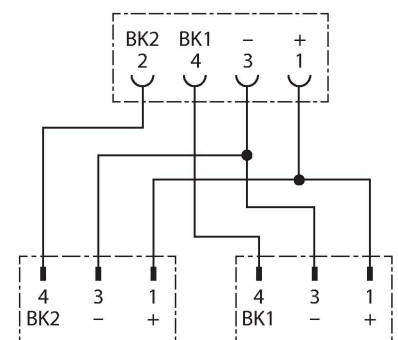
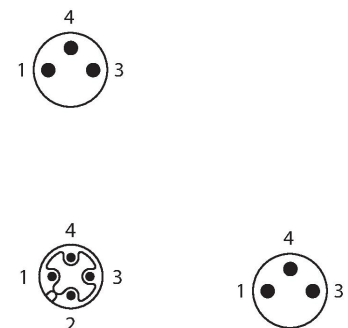
|                     |                                  |
|---------------------|----------------------------------|
| Type                | VBRK4.4-2PSW3S-1/1/TXL           |
| ID                  | 6630427                          |
| Distributed I/O     | Y-splitter, 2 -port              |
| Connector A         | Female, 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         | 2 x Male, Ø 8 mm, Angled         |
| Number of pins      | 3                                |
| Contacts            | Metal, CuZn, Gold-plated         |
| Contact carriers    | Plastic, TPU, Black              |
| Connector body      | Plastic, TPU, Black              |
| 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        | 1 m, 1 m                         |
| Cable jacket        | PUR, Black                       |
| Core insulation     | PP                               |
| Core cross-section  | 3 x 0.34 mm²                     |

### 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
- 4/3-pin
- Cable length: 1.0/1.0 meter

### Contact assignment



Technical data

|                                                 |                 |
|-------------------------------------------------|-----------------|
| 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 range (stationary)          | -50...+80 °C    |
| Ambient temperature range (In motion)           | -25...+80 °C    |
| Ambient temperature during drag chain operation | -25...+60 °C    |

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 |         |

