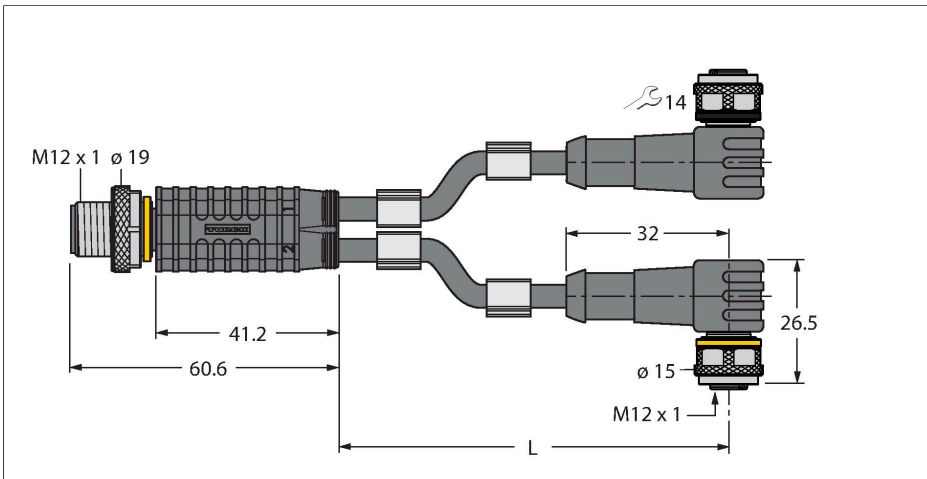


# VBR4.4-2WKC4.324T-1.5/1.5/TXL 2-Way Splitter – Y-Splitter with Cable, Male Connector M12 × 1 - 2 × Female Connectors M12 × 1



## Features

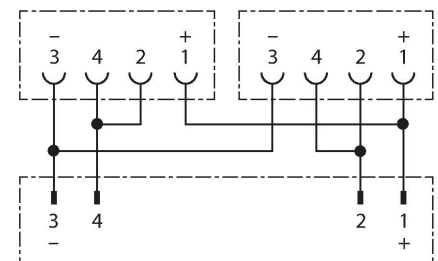
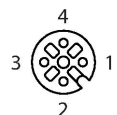
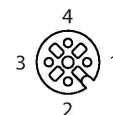
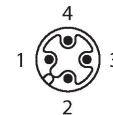


- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS-compliant
- Protection class: IP67
- 4/4-pin
- Cable length: 1.5/1.5 meter

## Technical data

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | VBR4.4-2WKC4.324T-1.5/1.5/TXL                              |
| ID                           | 6628200                                                    |
| 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                                 |
| Tightening torque (range)    | 0.8 ... 1 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan          | > 100 Mating cycles                                        |
| Pollution degree             | 3                                                          |
| Protection class             | IP67, Only in screwed condition                            |
| Connector B                  | 2 x Female, M12 × 1, Angled                                |
| Number of pins               | 4                                                          |
| 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                                           |
| Tightening torque            | 0.8 ... 1 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                        |
| Pollution degree             | 3                                                          |

## Contact assignment



Technical data

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Protection class                                | IP67, Only when screwed together |
| Cable diameter                                  | Ø 4.3 mm ±0.20                   |
| Cable length                                    | 1.5 m, 1.5 m                     |
| 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                                   | 250 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 |         |

