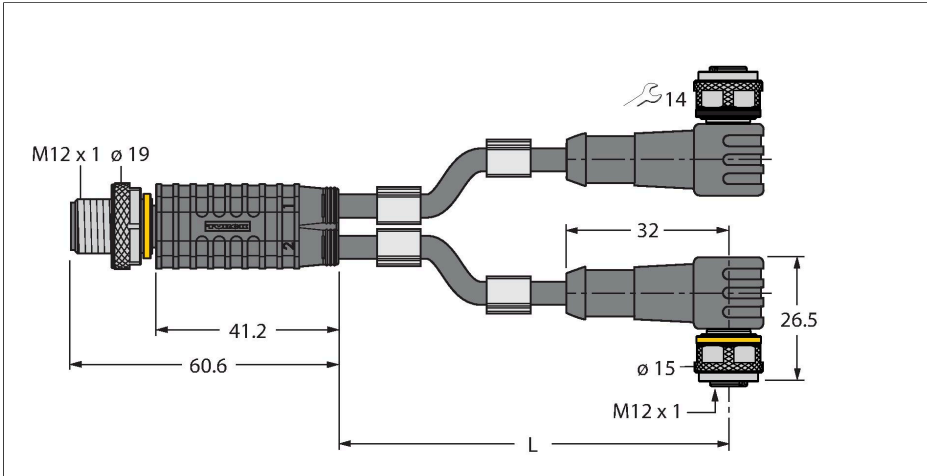


# VBRS4.4-2WKC4.324T-1.5/1.5/TXL

## 2-Way Splitter – Y-Splitter with Cable, Male Connector

### M12 × 1 - 2 × Female Connectors M12 × 1



#### Technical data

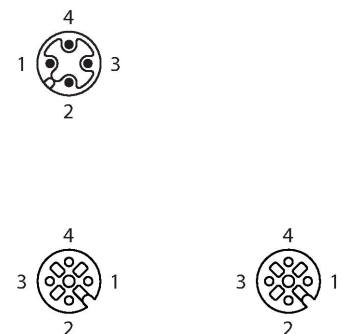
|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | VBRS4.4-2WKC4.324T-1.5/1.5/TXL                             |
| ID                           | 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                                                          |

#### Features



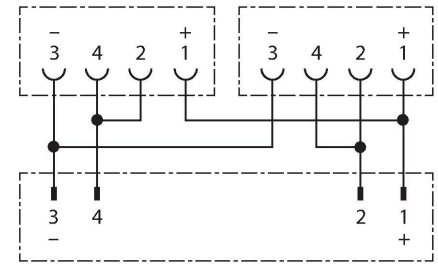
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS-compliant
- Protection class: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

#### 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 mm <sup>2</sup>         |
| 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/mm <sup>2</sup>           |
| Max. tensile strength (dynamic)          | ≤ 20 N/mm <sup>2</sup>           |
| Bending radius (stationary installation) | ≥ 5 x Ø                          |
| Bending radius (flexible use)            | ≥ 10 x Ø                         |
| Bending cycles                           | ≥ 5 million                      |
| Admissible acceleration                  | max. 5 m/s <sup>2</sup>          |
| Admissible travel path, horizontal       | 5 m (at 5 m/s <sup>2</sup> )     |
| 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                     |



## Accessories

|                                                                                                                       |         |                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| TORQUE-WRENCH-SET-AS                                                                                                  | 6936170 | BLANK-LABEL-FOR-CORDSETS-TEL-TXL                                                                                                        | 6936206 |
| Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |         | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant |         |

