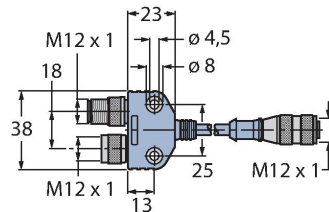


# VB2-RKC572-1M-FKM-FSM

## 2-Way Splitter – PVC Cable Jacket, Thin

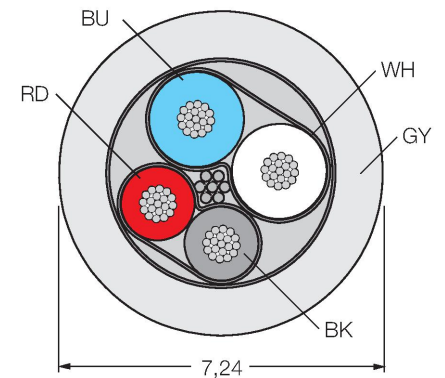


### Features

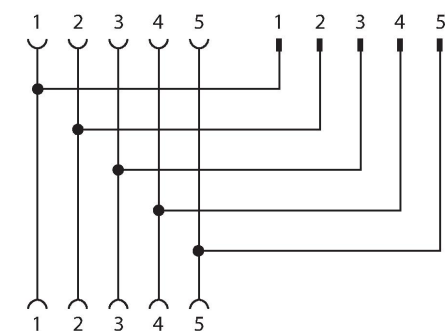


- Type: M12 adapter
- Y-splitter, 5-pin
- For use in CAN (DeviceNet™, CANopen) applications

### Cable Cross-Section



### Circuit Diagram



### Technical data

|                        |                                 |
|------------------------|---------------------------------|
| Type                   | VB2-RKC572-1M-FKM-FSM           |
| ID                     | 6996011                         |
| Connector A            | M12 × 1                         |
| Number of pins         | 5                               |
| Connector body         | Plastic                         |
| Mechanical lifespan    | > 100 Mating cycles             |
| Protection class       | IP67, Only in screwed condition |
| Connector B            | M12 × 1, Straight               |
| Contacts               | Metal, CuZn, Gold-plated        |
| Contact carriers       | Plastic                         |
| Connector body         | Plastic                         |
| Seal                   | Plastic                         |
| Mechanical life        | > 100 Mating cycles             |
| Protection class       | IP67, Only when plugged         |
| Cable                  |                                 |
| Network protocol       | DeviceNet<br>CANopen, 572       |
| Cable diameter         | Ø 7.2 mm                        |
| Cable jacket           | PVC, Gray                       |
| Shielding              | yes                             |
| Core insulation        | PE (Data), PVC (Power)          |
| Data cable cores       |                                 |
| Core cross-section     | 2 x 0.34 mm <sup>2</sup>        |
| Arrangement of strands | 19 x 0.15 mm                    |
| Power cable cores      |                                 |
| Core cross-section     | 2x 0.34 mm <sup>2</sup>         |
| Litz wire arrangement  | 19 x0.15 mm                     |

## Technical data

|                                          |                              |
|------------------------------------------|------------------------------|
| Core colors                              | Power: RD, BK, Data: WH, BU  |
| Electrical properties at +20 °C          |                              |
| Rated voltage                            | 250 V                        |
| Current                                  | 4 A                          |
| Insulation resistance                    | $\geq 10^8 \Omega$           |
| forward resistance                       | $\leq 5 \text{ m}\Omega$     |
| DC resistance (loop)                     | 59.3 $\Omega/\text{km}$      |
| Nom. impedance                           | 126 $\Omega$ (1 MHz)         |
| Nom. capacitance                         | 39 pF/m                      |
| Mechanical and chemical properties       |                              |
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)            | $\geq 15 \times \varnothing$ |
| Ambient temperature (fixed)              | -40...+80 °C                 |
| Ambient temperature (mobile)             | -40...+80 °C                 |
| Other Features                           |                              |
| Qualified for drag chain use             | no                           |
| Halogen-free                             | no                           |
| LABS free                                | yes                          |
| UV resistance                            | yes                          |
| Approvals                                | UL<br>CSA                    |