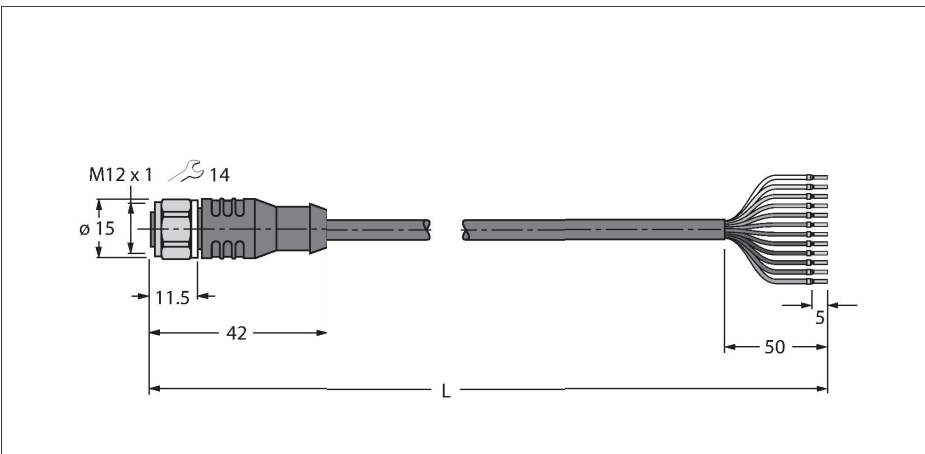


# RKCV12T-5/TFW

## Actuator And Sensor Cable, PP-EPDM – Connection Cable



### Features

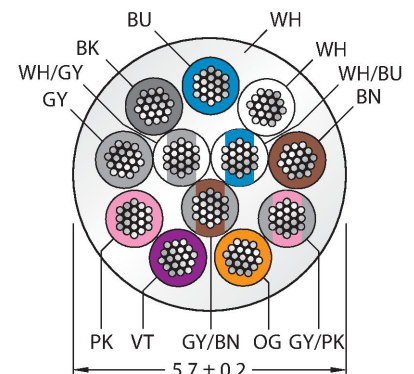


- M12 female connector, straight, 12-pin
- Stainless steel coupling nut/screw
- Sheath material: PP-EPDM
- Sheath color: white
- Resistant to acids and alkaline solutions
- Resistant to detergents and disinfectants
- Resistant to hydrolysis acc. to DIN EN 60068-2-78
- Free from silicone and PVC
- Halogen-free acc. to DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
- Approvals: Ecolab, FDA
- RoHS and REACH compliant
- Protection classes IP67, IP69K
- Cable length: 5.0 m

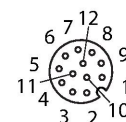
### Technical data

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | RKCV12T-5/TFW                                              |
| ID                              | 6935849                                                    |
| Connector A                     | Female, M12 × 1, Straight                                  |
| Number of pins                  | 12                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                   |
| Contact carriers                | Plastic, PP, White                                         |
| Connector body                  | Plastic, PP, White                                         |
| Coupling nut/screw              | Stainless Steel, V4A                                       |
| Seal                            | Plastic, FPM/FKM                                           |
| 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, IP69K, Only in screwed condition                     |
| Cable                           |                                                            |
| Cable diameter                  | Ø 5.7 mm ±0.20                                             |
| Cable length                    | 5 m                                                        |
| Cable jacket                    | PP-EPDM, White                                             |
| Core insulation                 | PE                                                         |
| Core cross-section              | 12 x 0.14 mm²                                              |
| Arrangement of strands          | 18 x 0.1 mm                                                |
| Core colors                     | BN, WH, BU, BK, GY, PK, VT, OG, GY/PK, WH/BU, WH/GY, GY/BN |
| Electrical properties at +20 °C |                                                            |
| Rated voltage                   | 30 V                                                       |
| Test voltage                    | 500 V                                                      |
| Current                         | 1.5 A                                                      |

### Cable Cross-Section



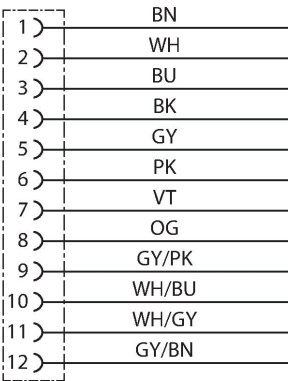
### Contact assignment



Technical data

|                                          |               |
|------------------------------------------|---------------|
| forward resistance                       | max. 57 Ω/km  |
| Mechanical and chemical properties       |               |
| Bending radius (stationary installation) | ≥ 5 x Ø       |
| Bending radius (flexible use)            | ≥ 10 x Ø      |
| Ambient temperature (fixed)              | -40...+105 °C |
| Ambient temperature (mobile)             | 0...+80 °C    |

Circuit Diagram



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) |         |