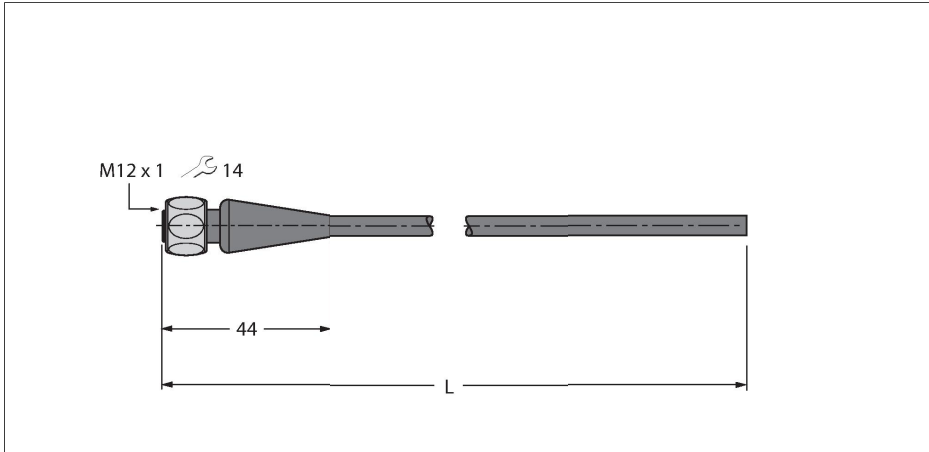


# RKH4.5-25/TFE

## Food & Beverage Hygienic, PVC – Connection Cable



### Technical data

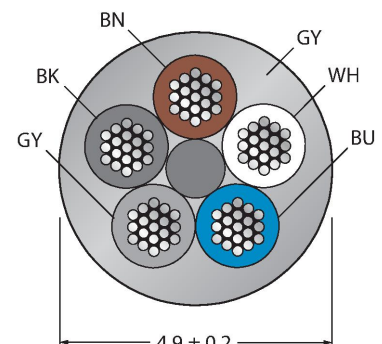
|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Type                                   | RKH4.5-25/TFE                                              |
| ID                                     | 100045963                                                  |
| Connector A                            | Female, M12 × 1, Straight                                  |
| Number of pins                         | 5                                                          |
| Contacts                               | Brass, CuZn, Gold-plated                                   |
| Contact carriers                       | Plastic, PP, Gray                                          |
| Connector body                         | Plastic, PP, Gray                                          |
| 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                       | IP65, IP67, IP68, IP69, Only in screwed condition          |
| <b>Cable</b>                           |                                                            |
| Cable diameter                         | Ø 4.9 mm ±0.20                                             |
| Cable length                           | 25 m                                                       |
| Cable jacket                           | PVC, Gray                                                  |
| Core insulation                        | PVC                                                        |
| Core cross-section                     | 5 x 0.34 mm <sup>2</sup>                                   |
| Arrangement of strands                 | 19 x 0.15 mm                                               |
| Core colors                            | BN, WH, BU, BK, GY                                         |
| <b>Electrical properties at +20 °C</b> |                                                            |
| Rated voltage                          | 60 V                                                       |
| Test voltage                           | 1500 V                                                     |
| Current                                | 4 A                                                        |

### Features



- M12 female connector, straight, 5-pin
- Stainless steel coupling nut/screw
- Jacket material: PVC
- Jacket color: gray RAL 7040
- Resistant to acids and alkalis
- Resistant to oils and chemicals
- Flame-retardant acc. to DIN EN 60332 1-2, DIN EN 60332 2-2, VDE 0482 332-1-2, VDE 0482 332-2-2
- Approvals: Gost, Ecolab
- RoHS and REACH compliant
- Protection class IP67/IP69K
- Cable length: 25 m

### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                              |
|------------------------------------------|------------------------------|
| Insulation resistance                    | $\geq 10^8 \Omega$           |
| Mechanical and chemical properties       |                              |
| Bending radius (stationary installation) | $\geq 3 \times \varnothing$  |
| Bending radius (flexible use)            | $\geq 10 \times \varnothing$ |
| Ambient temperature (fixed)              | -25...+80 °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) |         |