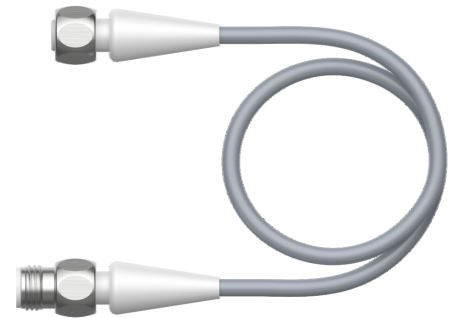


# RKH4.5-0.3-RSH4.5/TFE

## Food & Beverage Hygienic, PVC – Extension Cable



### Technical data

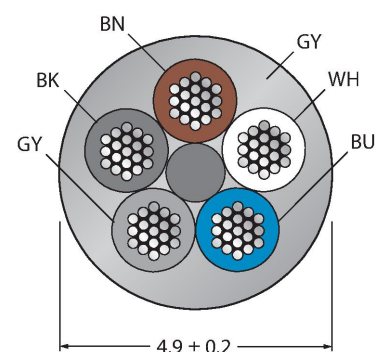
|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | RKH4.5-0.3-RSH4.5/TFE                                      |
| ID                           | 6935508                                                    |
| 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          |
| Connector B                  | Male, M12 × 1, Straight                                    |
| Number of Pins               | 5                                                          |
| Contacts                     | Brass, CuZn, Gold-plated                                   |
| Contact carriers             | Plastic, PP, Gray                                          |
| Connector body               | Plastic, PP, Gray                                          |
| Coupling nut/retaining screw | Stainless Steel, V4A                                       |
| Tightening torque            | 0.8 ... 1 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                        |
| Pollution degree             | 3                                                          |
| Protection class             | IP65, IP67, IP68, IP69, Only when screwed together         |

### Features



- M12 female connector, straight, 5-pin
- Stainless steel coupling nut/screw
- M12 male connector, straight, 5-pin
- 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: 0.3 m

### Cable Cross-Section



### Contact assignment

Technical data

| Cable                                    |                     |
|------------------------------------------|---------------------|
| Cable diameter                           | Ø 4.9 mm ±0.20      |
| Cable length                             | 0.3 m               |
| Cable jacket                             | PVC, Gray           |
| Core insulation                          | PVC                 |
| Core cross-section                       | 5 x 0.34 mm²        |
| Arrangement of strands                   | 19 x 0.15 mm        |
| Core colors                              | BN, WH, BU, BK, GY  |
| Electrical properties at +20 °C          |                     |
| Rated voltage                            | 60 V                |
| Test voltage                             | 1500 V              |
| Current                                  | 4 A                 |
| Insulation resistance                    | ≥ 10 <sup>8</sup> Ω |
| Mechanical and chemical properties       |                     |
| Bending radius (stationary installation) | ≥ 3 x Ø             |
| Bending radius (flexible use)            | ≥ 10 x Ø            |
| 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) |         |