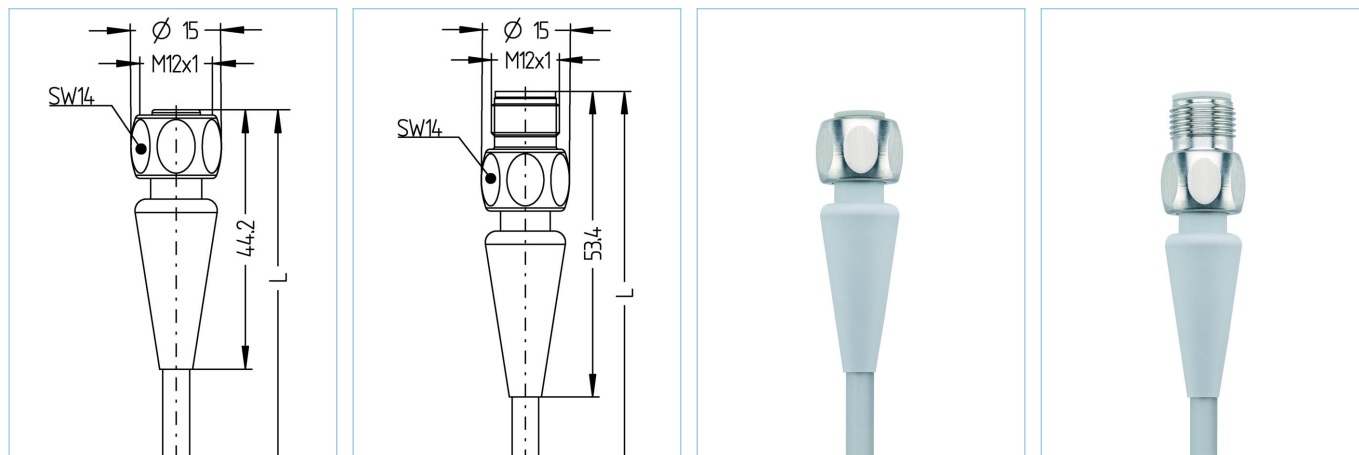


## M12, female, straight, 5 poles, M12, male, straight, 5 poles, Food & Beverage



| Product data       |                               |
|--------------------|-------------------------------|
| Item description   | FB-WAKH4.5-3-FB-WASH4.5/S3930 |
| Item-No.           | 8101847                       |
| Length             | 3m                            |
| Customs tariff-No. | 85444290                      |
| Step-File          | FB-WAKH4.5-L-FB-WASH4.5.stp   |
| EAN                | 4047106285524                 |

| Technical data                 | A-side                       | B-side                       |
|--------------------------------|------------------------------|------------------------------|
| Connector                      | female, straight, M12        | male, straight, M12          |
| Number of pins                 | 5                            | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Coding of                      | A                            | A                            |
| Rated voltage                  | 60V   30V (UL)               | 60V   30V (UL)               |
| Current load (at 40°C)         | 4A                           | 4A                           |
| Insulation resistance          | $\geq 10^8 \Omega$           | $\geq 10^8 \Omega$           |
| Resistance                     | $\leq 5 m\Omega$             | $\leq 5 m\Omega$             |
| Ambient temperature product    | -40°C...+105°C               | -40°C...+105°C               |
| Contact material               | Metal, CuZn, gold-plated     | Metal, CuZn, gold-plated     |
| Contact-carrier material       | Plastic, PP, GY              | Plastic, PP, GY              |
| Grip body material             | Plastic, TPE, GY             | Plastic, TPE, GY             |
| Coupling nut material          | Stainless steel, V4A         | Stainless steel, V4A         |
| Sealing (female) material      | EPDM                         |                              |
| Standards                      | IEC 61076-2-101              | IEC 61076-2-101              |
| Degree of protection (mounted) | IP65, IP67, IP68, IP69       | IP65, IP67, IP68, IP69       |
| Mechanical life-cycle          | >100 mating cycles           | >100 mating cycles           |
| Degree of pollution            | 3                            | 3                            |

|                  |                           |
|------------------|---------------------------|
| <b>Cable web</b> | <b>TPE, UL, S3930, GY</b> |
|------------------|---------------------------|

TPE jacketed cable with elevated position-proof wires with an insulation of special polyester. Resistant to all common acidic- and alkaline cleaning- and disinfection agents. PVC-free plastics prevent discoloration and hardening by detergents. Predestined for applications in the food- and beverage industry. Due to the materials used, it is also suitable for applications in machine- and plant construction. High stability, good drag-chain- and torsion capability.

|                                |                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket       | 5.0 +/- 0.15 mm                                                                                                                                                                                                                                                                                                          |
| Cable-jacket material          | TPE                                                                                                                                                                                                                                                                                                                      |
| Jacket color                   | GY, similar RAL7035                                                                                                                                                                                                                                                                                                      |
| Wire cross-section             | 5 x 0.34 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                 |
| Wire insulation material       | TPE                                                                                                                                                                                                                                                                                                                      |
| Wire colors                    | BN, WH, BU, BK, GY                                                                                                                                                                                                                                                                                                       |
| Wire structure                 | 42 x 0.10 mm                                                                                                                                                                                                                                                                                                             |
| Bending radius (fixed)         | 5 x Ø-cable                                                                                                                                                                                                                                                                                                              |
| Bending radius (repeated)      | 10 x Ø-cable                                                                                                                                                                                                                                                                                                             |
| Temperature range (repeated)   | -25°C...+105°C                                                                                                                                                                                                                                                                                                           |
| Temperature range (fixed)      | -40°C...+105°C                                                                                                                                                                                                                                                                                                           |
| Temperature range (drag chain) | -25°C...+60°C                                                                                                                                                                                                                                                                                                            |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                                                                      |
| Rated voltage cable            | ≤240 VAC                                                                                                                                                                                                                                                                                                                 |
| Special features               | increased thermal load, halogen free, excellent acid- and alkali resistant, hydrolysis proof, LABS free, ozone resistant, recyclable, RoHs compliant, drag chain-adapted, seawater resistant, torsion resistant, verified resistance against P3-topactive, flexibility at low temperature, flexible at high temperatures |

### Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

### Accessories

Mounting-set, M12  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

Torque-wrench set  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

Marking rings Ø 9mm  
<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

Food & Beverage, Adapter  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8063392>