

M12, female, angled, 5 poles, M12, male, angled, 5 poles, Food & Beverage



Product data

|                    |                                 |
|--------------------|---------------------------------|
| Item description   | FB-WWAKH4.5-2-FB-WWASH4.5/S3930 |
| Item-No.           | 8063815                         |
| Length             | 2m                              |
| Customs tariff-No. | 85444290                        |
| Step-File          | FB-WWAKH4.5-L-FB-WWASH4.5.stp   |
| EAN                | 4047106151263                   |

| Technical data                 | A-side                       | B-side                       |
|--------------------------------|------------------------------|------------------------------|
| Connector                      | female, angled, M12          | male, angled, 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                          | 60V                          |
| 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, PP, GY              | Plastic, PP, 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                            |

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| <b>Cable</b> | <b>TPE, S3930, GY</b> |
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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.

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| 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 V <sub>AC</sub>  |
| Special features               | seawater resistant, recyclable, LABS free, RoHs compliant, ozone resistant, hydrolysis proof, drag chain-adapted, torsion resistant, halogen free, excellent acid- and alkali resistant, verified resistance against P3-topactive, flexibility at low temperature, increased thermal load |

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| <b>Classification</b> |  |
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| 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 |

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

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

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

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

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| <b>Link to product</b> |
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<https://www.escha.net/en/products/standard/connectors-for-the-food-industry/8063815>