

## M12, male, straight, 5 poles, sensor-/actuator cable, high-temperature



### Product data

|                    |                   |
|--------------------|-------------------|
| Item description   | HT-WAS4.5-3/S2430 |
| Item-No.           | 8065348           |
| Length             | 3m                |
| Customs tariff-No. | 85444290          |
| Step-File          | HT-WAS4_5.stp     |
| EAN                | 4047106219130     |

### Technical data

|                                |                              |
|--------------------------------|------------------------------|
| Connector                      | male, straight, M12          |
| Number of pins                 | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Coding                         | A                            |
| Rated voltage                  | 60V                          |
| Current load per pin (at 40°C) | 4A                           |
| Insulation resistance          | $\geq 10^9 \Omega$           |
| Ambient temperature product    | -20°C...+150°C               |
| Contact material               | Metal, CuZn, gold-plated     |
| Contact-carrier material       | Plastic, PBT GF, BK          |
| Grip body material             | Plastic, PBT GF, BK          |
| Coupling nut material          | Metal, CuZn, nickel-plated   |
| Standards                      | IEC 61076-2-101              |
| Degree of protection (mounted) | IP65                         |
| Mechanical life-cycle          | >100 mating cycles           |
| Cable end assembly             | 50mm stripped                |
| Degree of pollution            | 3                            |
| Style                          | straight                     |

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| <b>Cable web</b> | <b>PTFE, S2430, high temp</b> |
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The thermal resistance of this high-temperature cable extends from -190°C to +260°C. In addition, it stands out through a very good chemical strength, as well as its ozone- and weather resistance.

|                           |                                                                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket  | 3.80 mm                                                                                                                                                                                                                             |
| Cable-jacket material     | PTFE                                                                                                                                                                                                                                |
| Jacket color              | WH, similar RAL9003                                                                                                                                                                                                                 |
| Wire cross-section        | 5 x AWG22                                                                                                                                                                                                                           |
| Wire insulation material  | PTFE                                                                                                                                                                                                                                |
| Wire colors               | BN, WH, BU, BK, GY                                                                                                                                                                                                                  |
| Wire structure            | 7 x 0.254 mm                                                                                                                                                                                                                        |
| Bending radius (fixed)    | 5 x Ø-cable                                                                                                                                                                                                                         |
| Bending radius (repeated) | 10 x Ø-cable                                                                                                                                                                                                                        |
| Temperature range (fixed) | -190°C...+260°C                                                                                                                                                                                                                     |
| Rated voltage cable       | ≤250 V                                                                                                                                                                                                                              |
| Special features          | low emission of smoke, excellent chemicals resistance, hydrolysis proof, LABS free, non-flammable, ozone resistant, RoHs compliant, seawater resistant, UV resistant, flexibility at low temperature, flexible at high temperatures |

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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<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664">https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664</a>                                                 |
| Torque-wrench set<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431">https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431</a>                                                 |
| Marking rings Ø 9mm<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809</a> |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215</a>                                              |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216</a>                                              |