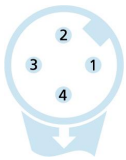


## M12, Push-Pull inner locking, male, angled, 4 poles, shielded, sensor-/actuator cable



### Product data

|                    |                    |
|--------------------|--------------------|
| Item description   | AL-PPIWWASS4-2/P01 |
| Item-No.           | 8122988            |
| Length             | 2m                 |
| Customs tariff-No. | 85444290           |
| Step-File          | AL-PPIWWASS4.stp   |
| EAN                | 4047106344351      |

### Technical data

|                                |                             |
|--------------------------------|-----------------------------|
| Connector                      | male, angled, M12 Push-Pull |
| Number of pins                 | 4                           |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK      |
| Coding                         | A                           |
| Rated voltage                  | 250V                        |
| Current load per pin (at 40°C) | 4A                          |
| Insulation resistance          | $\geq 10^9 \Omega$          |
| Resistance                     | $\leq 5m\Omega$             |
| Ambient temperature product    | -30°C...+90°C               |
| Contact material               | Metal, CuSn, gold-plated    |
| Contact-carrier material       | Plastic, TPU, BK            |
| Grip body material             | Plastic, TPU, BK            |
| Material of shielding housing  | Zinc die-cast               |
| Shielding                      | with shielding              |
| Standards                      | IEC 61076-2-010             |
| Degree of protection (mounted) | IP65, IP67, IP68            |
| Mechanical life-cycle          | >100 mating cycles          |
| Cable end assembly             | open cable end              |
| Degree of pollution            | 3                           |
| Style                          | angled                      |

## Cable web

PVC, UL, P01, GY

PVC-cable for measurement and control-, and sensor technology. Suitable for applications in dry areas on packaging machines, assembly- and conveyor technology. High flexibility with unstressed movement (conditional drag-chain application possible). Predestined for applications in food- and beverage industry. P01-cables meet the UL and CSA (UL1729/2464; cULus) requirements. Very good EMC-features with shielded versions.

|                              |                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 5.30 mm                                                                                                                                                                             |
| Cable-jacket material        | PVC                                                                                                                                                                                 |
| Jacket color                 | GY, similar RAL7040                                                                                                                                                                 |
| Wire cross-section           | 4 x 0.34 mm <sup>2</sup>                                                                                                                                                            |
| Wire insulation material     | PVC                                                                                                                                                                                 |
| Wire colors                  | BN, WH, BU, BK                                                                                                                                                                      |
| Wire structure               | 19 x 0.15 mm                                                                                                                                                                        |
| Bending radius (fixed)       | 5 x Ø-cable                                                                                                                                                                         |
| Bending radius (repeated)    | 10 x Ø-cable                                                                                                                                                                        |
| Temperature range (repeated) | 0°C...+80°C                                                                                                                                                                         |
| Temperature range (fixed)    | -25°C...+80°C                                                                                                                                                                       |
| Shielding                    | Yes                                                                                                                                                                                 |
| Rated voltage cable          | ≤300 V                                                                                                                                                                              |
| Special features             | good resistance against oils and chemicals, hydrolysis proof, LABS free, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, sea-water resistant, UV resistant |

## 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

Marking rings Ø 9mm

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

Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>