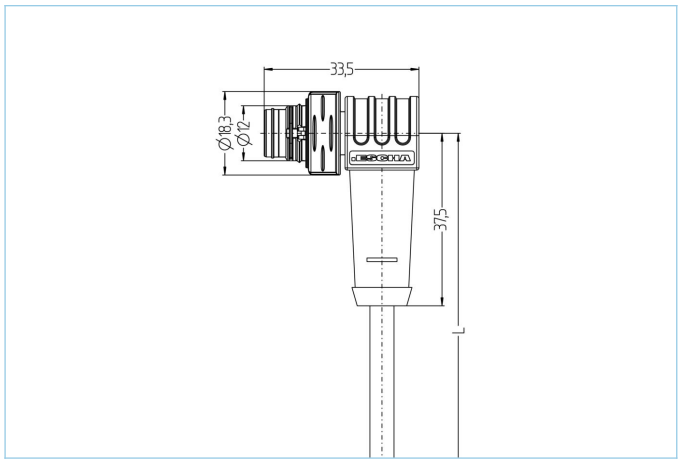
# M12, Push-Pull inner locking, male, angled, 12 poles, shielded, sensor-/actuator cable









| Product data | |
|---|---|
| Item description | AL-PPIWWASS12-10/P01 |
| Item-No. | 8124575 |
| Length | 10m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-PPIWWASS12-m.stp |
| EAN | 4047106350864 |

| Technical data | |
|---|---|
| Connector | male, angled, M12 Push-Pull |
| Number of pins | 12 |
| Pin assignment | 1 BN, 2 BU, 3 WH, 4 GN, 5 PK, 6 YE, 7 BK, 8 GY, 9 RD, 10 VT, 11 GYPK, 12 RDBU |
| Coding | A |
| Rated voltage | 30V |
| Current load per pin (at 40°C) | 1.5A |
| Insulation resistance | >=$10^8$Ω |
| Resistance | ≤ 5mΩ |
| Ambient temperature product | -30°C...+90°C |
| Contact material | Metal, CuZn, 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 |

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.

| 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 | 6.60 mm |
| Cable-jacket material | PVC |
| Jacket color | GY, similar RAL7040 |
| Wire cross-section | 12 x 0.14 mm² |
| Wire insulation material | PVC |
| Wire colors | BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GYPK, RDBU |
| Wire structure | 18 x 0.10 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