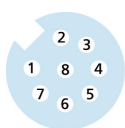


Single-ended cordset, Automation Line, M12x1



Product data

| | |
|--------------------|-------------------|
| Item description | AL-WAK8-10/S370GY |
| Item-No. | 8092333 |
| Length | 10m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-WAK8.stp |
| EAN | 4047106263393 |

Technical data

| | |
|--------------------------------|--|
| Connector | female, M12x1, straight |
| Number of pins | 8 |
| Pin assignment | 1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD |
| Coding | A |
| Rated voltage | 30V |
| Current load (at 40°C) | 2A |
| Insulation resistance | $\geq 10^8 \Omega$ |
| Resistance | $\leq 5 m\Omega$ |
| 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 |
| Coupling nut material | Metal, CuZn, nickel-plated |
| Sealing (female) material | FPM/FKM |
| Standards | IEC 61076-2-101 |
| Degree of protection (mounted) | IP65, IP67, IP68 |
| Mechanical life-cycle | >100 mating cycles |
| Cable end assembly | open cable end |
| Degree of pollution | 3 |

| | |
|--------------|------------------------|
| Cable | S370GY, PUR, UL |
|--------------|------------------------|

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

| | |
|--------------------------------|--|
| Outer diameter of jacket | 5,90 mm |
| Cable-jacket material | PUR |
| Jacket color | GY, similar RAL7040 |
| Wire cross-section | 8 x 0.25 mm ² |
| Wire insulation material | PP |
| Wire colors | WH, BN, GN, YE, GY, PK, BU, RD |
| Conductor structure | 32 x 0.10 mm |
| Bending radius (fixed) | 5 x Ø-cable |
| Bending radius (repeated) | 10 x Ø-cable |
| Temperature range (repeated) | -30°C...+90°C |
| Temperature range (fixed) | -40°C...+90°C |
| Temperature range (drag chain) | -25°C...+60°C |
| Drag chain-application | 2 Mio. cycles |
| Halogen-free | Yes |
| Torsion | +/-180°/m, < 1 Mio. cycles |
| Rated voltage cable | ≤300 V |
| Special features | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistant, halogen free, silicone free, oil 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 | Web-Link |
|--------------------|-----------------|

| | |
|----------------------|---|
| Mounting-set, M12x1 | https://www.escha.net/en/search?sSearch=8047664 |
| Torque-wrench set | https://www.escha.net/en/search?sSearch=8055431 |
| Marking rings Ø 9mm | https://www.escha.net/en/products/accessoires/markring-rings/ |
| Cable Stripping Tool | https://www.escha.net/en/search?sSearch=8066215 |
| Cable Stripping Tool | https://www.escha.net/en/search?sSearch=8066216 |