

SAIH-3X0,34(PUR)**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Weidmüller offers a large and comprehensive range of sensor-actuator cables. We provide both, sensor cables as well as bus and valve cables of various sizes and lengths. If you cannot find a specific product or a product in the desired length, just contact us.

General ordering data

| | |
|------------|--|
| Version | Sensor/actuator line, One end without connector, Number of poles : 3, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1902110000 |
| Type | SAIH-3X0,34(PUR) |
| GTIN (EAN) | 4032248515851 |
| Qty. | 100 M |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|----------|--------|------------|---------|
| Diameter | 4.3 mm | Net weight | 20.99 g |
|----------|--------|------------|---------|

Temperatures

Ambient temperature -25 °C...60 °C

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Technical specifications for cable

| | | | |
|--------------------------------------|-----------------------|--|--|
| Sheathing colour | black | Resistance to oils | Yes |
| Suitable for cable carriers | Yes | Core cross-section | 0.34 mm ² |
| Number of wires | 3 | Shielded | No |
| Halogen | No | Insulation | PP |
| Acceleration | 5 m/s ² | Bending radius, min., moving | 10 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Bending cycles | 12 Mio |
| Wire cross section (Print/Online) | 0.34 mm ² | Resistance to spread of flame | In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 |
| Speed | 5 m/s | Sheath material | PUR |
| Configurable cable length | No | LABS-free | Yes |
| Hydrolysis and microbe resistant | Yes | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | Irradiation crosslinked | No |
| Welding spark resistance | No | Colour coding | brown, blue, black |
| Torsion resistance | 360 °/m | Temperature range, stationary | -50...80 °C |
| Resistant to welding beads | No | Bending cycles at torsion | > 5 Mio. |
| Temperature range, moving | -25...80 °C | Length of torsion | 1 m |
| Number of poles | 3 | Outside diameter | 4.3 mm ± 0.2 mm |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC003250 | ETIM 9.0 | EC003250 |
| ETIM 10.0 | EC003250 | ECLASS 14.0 | 27-06-01-06 |
| ECLASS 15.0 | 27-06-01-06 | | |

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Accessories

Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | KT 8 | Version | |
| Order No. | 9002650000 | Cutting tools, Cutting tool for one-hand operation | |
| GTIN (EAN) | 4008190020163 | | |
| Qty. | 1 ST | | |

Tools



Sheathing stripper for PVC cables

General ordering data

| | | | |
|------------|----------------------------|----------------------------|--|
| Type | AM 12 | Version | |
| Order No. | 9030060000 | Tools, Sheathing strippers | |
| GTIN (EAN) | 4008190337827 | | |
| Qty. | 1 ST | | |

Screwty® cable gland tool with torque function



The ideal tool for any application
 Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

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Accessories

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SCREWTY-M12-DM | Version |
| Order No. | 1900001000 | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248436408 | |
| Qty. | 1 ST | |
| Type | SAI-SCREWTY BOX | Version |
| Order No. | 1939180000 | Bolting tool |
| GTIN (EAN) | 4032248615506 | |
| Qty. | 1 ST | |

Tools



- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | STRIPPER 6-16 RED-LINE | Version |
| Order No. | 9203110000 | Stripping and cutting tool |
| GTIN (EAN) | 4032248541423 | |
| Qty. | 1 ST | |

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Accessories

Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TM-I 18 MC NE WS | Version |
| Order No. | 1718431044 | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white |
| GTIN (EAN) | 4008190349011 | |
| Qty. | 320 ST | |
| Type | TM-I 18 MC NE GE | Version |
| Order No. | 1718431687 | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow |
| GTIN (EAN) | 4008190349028 | |
| Qty. | 320 ST | |