# ZK2000-3500-0xxx | Sensor cable, PUR, 3 x 0.25 mm², drag-chain suitable

## M8, plug, straight, male, 4-pin, A-coded – open end, 3-wire



## Plugs

| Electrical data | Head A | Head B |
|---|---|---|
| Rated voltage | 50 V AC/60 V DC (according to IEC 61076-2-104) | - |
| Rated current | 4 A at 40°C (leaning on IEC 61076-2-104) | - |
| Shielding | no | - |
| Insulation resistance | ≥ 100 MΩ (according to IEC 60512) | - |
| **Mechanical data** | | |
| Installation size | M8 | open end |
| Connector type | plug | - |
| Configuration | straight | - |
| Contact type | male | - |
| Number of positions (face) | 4-pin | 3-wire |
| Coding | A-coded | - |
| Recommended torque, nut | 0.4 Nm | - |
| Mating cycles | ≥ 100 (according to IEC 60512-9a) | - |

| | | |
|---|---|---|
| Way of locking | screw | - |
| Body color | black | - |
| Body material | TPU, UL 94 | - |
| Coupling nut material | GD-Zn, Ni | - |
| Seal | FPM | - |
| Contact carrier color | red | - |
| Contact carrier material | PA, UL 94 | - |
| Contact plating | Ni, Au gal. | - |
| Contact material | CuZn | - |
| **Environmental data** | | |
| Special features | halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1 | - |
| RoHS compliant | yes | - |
| Ambient temperature (operation) | -30...+80°C, -22...+176°F | - |
| Protection rating | IP65/67 in screwed condition (according to IEC 60529) | - |
| Pollution level | 3/2 (according to IEC 60664-1) | - |

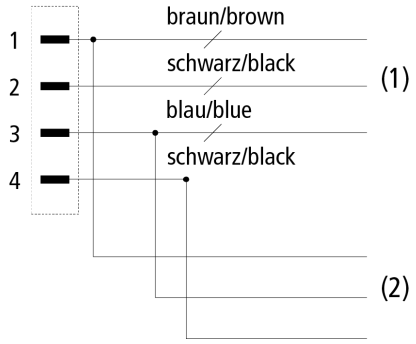
## Cable

| | |
|---|---|
| **Electrical data** | |
| Rated voltage | ≤ 300 V |
| Insulation resistance | ≥ 10 GΩ (according to IEC 60512-2) |
| Wire resistance (signal/24V) | ≤ 58.0 Ω/km (20°C) |
| Test voltage | ≥ 3000 V |
| **Mechanical data** | |
| Conductor construction (signal/24V) | 32 x 0.10 mm |
| Cross-section | 3 x 0.25 mm² (AWG24) |
| Outer cable diameter | 4.4 mm ± 0.15 mm (0.173" ± 0.0059") |
| Min. bending radius, moved | 6 x outer cable diameter |
| Weight | 28 kg/km (18.8 lb/1000 ft) |
| Shielding | no |
| Use | drag-chain suitable |
| Max. acceleration | 10 m/s² |
| Max. speed | 5 m/s |
| Max. number of cycles | 10 million at max. 20 m travel distance, 2 million at max. 100 m travel distance |
| Jacket color | black |

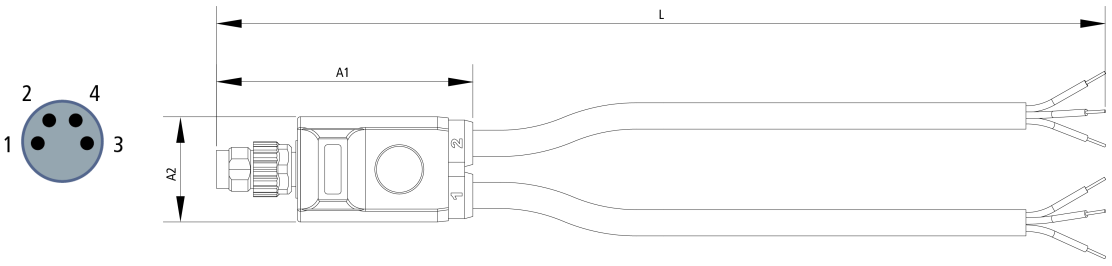
| | |
|---|---|
| Material jacket | PUR (polyurethane) |
| Wire color code | brown, blue, black |
| Wire insulation material | PP (polypropylene) |
| Printing on the jacket | Li9Y11Y 3x0.25mm² E257058 CRUus (UL-Logo) AWM Style 20549 AWM II A/B 80°C 300 V FT2 |
| Printing color | white |

| Environmental data | |
|---|---|
| Operation temperature range, moved | -25...+80°C, -13...+176°F |
| Oil resistance | Oil and greases resistant |
| Flame-retardant | according to cULus 20549 |
| Halogen-free | according to DIN VDE 0472 part 815 |
| CE | yes |
| UL | yes, UL E-file number: E257058 |

## Pin assignment




## Dimensions




| | |
|---|---|
| A1 | 47.10 mm |
| A2 | 19.20 mm |

# Notes

- Depending on the cable length (L), the following length tolerances apply:
  0 m...<0.2 m: ± 10 mm | 0.2...4.0 m: + 40 mm | ≥ 4.0 m: + 1%
- Illustrations similar

- Further cable length on request.
- Cable output 1 is marked with an additional label.

| CE, UL | |
|---|---|
| CE | yes |
| UL | yes, UL E-file number: E480185 |

| Ordering information | Length |
|---|---|
| ZK2000-3500-0010 | 2 x 1.00 m |
| ZK2000-3500-0020 | 2 x 2.00 m |
| ZK2000-3500-0075 | 2 x 7.50 m |

Further length on request

| Accessories | |
|---|---|
| ZB8801-0000 | torque wrench for hexagonal plugs, adjustable |
| ZB8801-0001 | torque cable key, M8/wrench size 9, for ZB8801-0000 |



Products marked with a crossed-out wheeled bin shall not be discarded with the normal waste stream. The device is considered as waste electrical and electronic equipment. The national regulations for the disposal of waste electrical and electronic equipment must be observed.

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