# ZK2020-3132-3xxx | Power cable, PVC, 4 x 0.34 mm², fixed installation

## M8, plug, straight, male, 4-pin, A-coded – M8, socket, straight, female, 4-pin, A-coded



## Plugs

| Electrical data | Head A | Head B |
|---|---|---|
| Rated voltage | 50 V AC/60 V DC (according to IEC 61076-2-104) | 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) | 4 A at 40°C (leaning on IEC 61076-2-104) |
| Shielding | no | no |
| Insulation resistance | ≥ 10 GΩ (according to IEC 60512-2) | ≥ 10 GΩ (according to IEC 60512-2) |
| **Mechanical data** | | |
| Installation size | M8 | M8 |
| Connector type | plug | socket |
| Configuration | straight | straight |
| Contact type | male | female |
| Number of positions (face) | 4-pin | 4-pin |
| Coding | A-coded | A-coded |
| Recommended torque, nut | 0.4 Nm | 0.4 Nm |

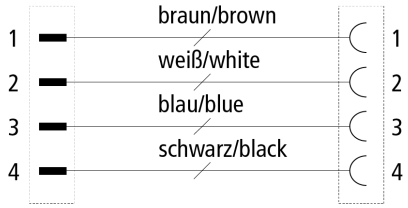
| | | |
|---|---|---|
| Mating cycles | ≥ 100 (according to IEC 60512-9a) | ≥ 100 (according to IEC 60512-9a) |
| Way of locking | screw | screw |
| Weight | 0.028 kg (0.0617 lb) | 0.028 kg (0.0617 lb) |
| Body color | black | black |
| Body material | TPU, UL94 | TPU, UL94 |
| Coupling nut material | CuZn, Ni | CuZn, Ni |
| Seal | FPM | FPM |
| Contact carrier color | red | red |
| Contact carrier material | TPU GF, UL 94 | TPU GF, UL 94 |
| Contact plating | Ni, Au gal. | Ni, Au gal. |
| Contact material | CuZn | CuZn |
| **Environmental data** | | |
| Special features | halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1 | halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1 |
| RoHS compliant | yes | yes |
| Ambient temperature (operation) | -30...+80°C, -22...+176°F | -30...+80°C, -22...+176°F |
| Protection rating | IP65/67 in screwed condition (according to IEC 60529) | IP65/67 in screwed condition (according to IEC 60529) |
| Pollution level | 3/2 (according to IEC 60664-1) | 3/2 (according to IEC 60664-1) |

## Cable

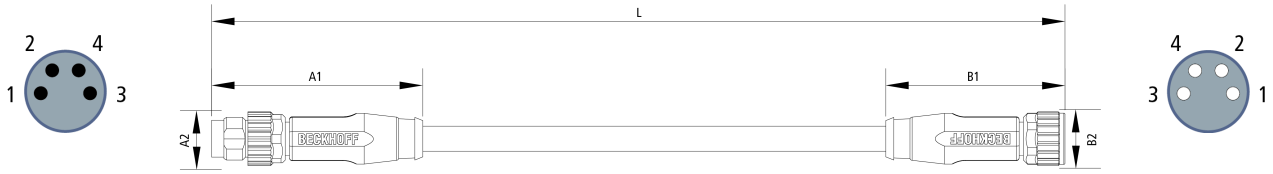
| | |
|---|---|
| **Electrical data** | |
| Rated voltage | ≤ 300 V |
| Insulation resistance | ≥ 10 GΩ (according to IEC 60512-2) |
| Wire resistance (power) | ≤ 58.0 Ω/km |
| Test voltage | ≥ 3000 V |
| **Mechanical data** | |
| Conductor construction (power) | 42 x 0.10 mm |
| Cross-section | 4 x 0.34 mm² (AWG22) |
| Outer cable diameter | 4.7 mm ± 0.15 mm (0.185" ± 0.0059") |
| Min. bending radius, fixed installation | 10 x outer cable diameter |
| Weight | 31 kg/km (20.8 lb/1000 ft) |
| Shielding | no |
| Use | fixed installation |
| Wall thickness of wire insulation (power) | ≥ 0.21 mm |
| Jacket color | gray |

| | |
|---|---|
| Material jacket | PVC (polyvinyl chloride) |
| Wire color code | white, blue, black, brown |
| Wire insulation material | PVC (polyvinyl chloride) |
| Printing color | white |
| **Environmental data** | |
| Operation temperature range, fixed installation | -25...+80°C, -13...+176°F |
| Flame-retardant | according to DIN EN 60332-2-2 |
| Halogen-free | no |

## Pin assignment




## Dimensions




| | |
|---|---|
| A1 | 39.60 mm |
| A2 | Ø 10.1 mm |
| B1 | 34.00 mm |
| B2 | Ø 10.1 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.

## CE, UL

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

| Ordering information | Length |
|---|---|
| ZK2020-3132-3001 | 0.15 m |
| ZK2020-3132-3002 | 0.20 m |
| ZK2020-3132-3005 | 0.50 m |
| ZK2020-3132-3010 | 1.00 m |
| ZK2020-3132-3015 | 1.50 m |
| ZK2020-3132-3025 | 2.50 m |
| ZK2020-3132-3030 | 3.00 m |
| ZK2020-3132-3040 | 4.00 m |
| ZK2020-3132-3050 | 5.00 m |
| ZK2020-3132-3060 | 6.00 m |
| ZK2020-3132-3080 | 8.00 m |
| ZK2020-3132-3100 | 10.00 m |
| ZK2020-3132-3160 | 16.00 m |
| ZK2020-3132-3200 | 20.00 m |
| ZK2020-3132-3250 | 25.00 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 |
| ZB8803-0001 | Flange/Panel feed-through for M8 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts |



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.

Beckhoff®, ATRO®, EtherCAT®, EtherCAT G®, EtherCAT G10®, EtherCAT P®, MX-System®, Safety over EtherCAT®, TC/BSD®, TwinCAT®, TwinCAT/BSD®, TwinSAFE®, XFC®, XPlanar® and XTS® are registered trademarks of and licensed by Beckhoff Automation GmbH. Other designations used in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owners.

© Beckhoff Automation GmbH & Co. KG 03/2026

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressively agreed in the terms of contract.