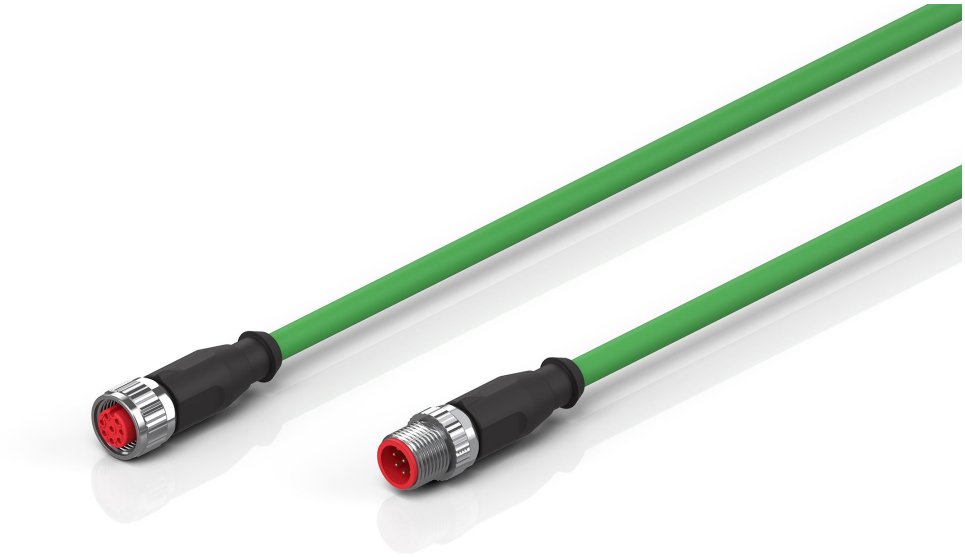
# ZK4721-0410-2xxx | Resolver extension cable 0.25 mm² with M12 plug for motors with resolver, drag-chain suitable

## M12, socket, straight, female, 8-pin, A-coded – M12, plug, straight, male, 8-pin, A-coded



## Plugs

| Electrical data | Head A | Head B |
|---|---|---|
| Rated voltage | 30 V (according to IEC 61076-2-101) | 30 V (according to IEC 61076-2-101) |
| Rated voltage x-pin | 8-pin, 30 V (according to IEC 61076-2-101) | - |
| Rated current | 2 A at 40 °C (according to IEC 61076-2-101) | 2 A at 40 °C (according to IEC 61076-2-101) |
| Shielding | yes | yes |
| Insulation resistance | ≥ 100 MΩ (according to IEC 60512) | ≥ 100 MΩ (according to IEC 60512) |
| **Mechanical data** | | |
| Installation size | M12 | M12 |
| Connector type | socket | plug |
| Configuration | straight | straight |
| Contact type | female | male |
| Number of positions (face) | 8-pin | 8-pin |

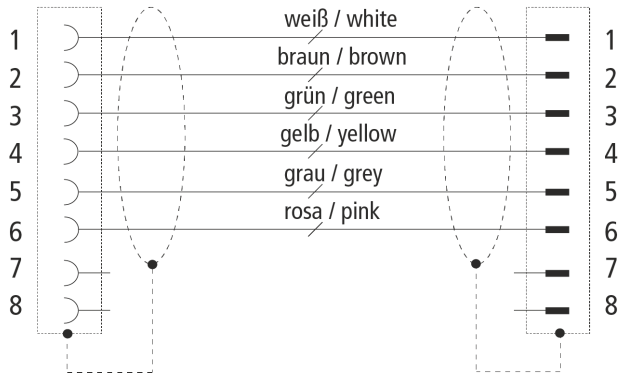
| | | |
|---|---|---|
| Coding | A-coded | A-coded |
| Recommended torque, nut | 0.6 Nm | 0.6 Nm |
| Mating cycles | ≥ 100 (according to IEC 60512-9a) | ≥ 100 (according to IEC 60512-9a) |
| Way of locking | screw | screw |
| Weight per piece | - | 0.046 kg (0.1014 lb) |
| Body color | black | black |
| Body material | PA6 | PA6 |
| Coupling nut material | GD-Zn, Ni | GD-Zn, Ni |
| Seal | elastomers | elastomers |
| O-ring | NBR | NBR |
| Contact carrier color | green | green |
| Contact carrier material | PA, UL 94 | PA, UL 94 |
| Contact plating | Ni, Au gal. | Ni, Au gal. |
| Contact material | CuZn | CuZn |
| **Environmental data** | | |
| RoHS compliant | yes | yes |
| Ambient temperature (operation) | -30...+85 °C, -22...+185 °F | -30...+85 °C, -22...+185 °F |
| Protection class | 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

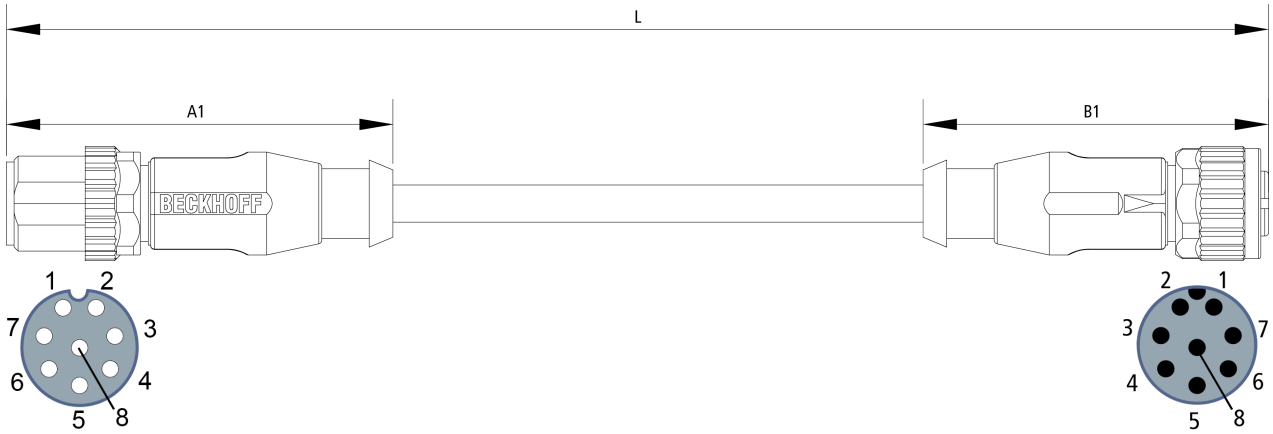
| | |
|---|---|
| **Electrical data** | |
| Operating voltage | ≤ 300 V AC |
| Insulation resistance | ≥ 200 MΩ*km |
| Wire resistance (signal/24V) | ≤ 77 Ω/km |
| Test voltage | ≥ 3000 V |
| **Mechanical data** | |
| Conductor construction | 32 x 0.10 mm |
| Cross-section | 3 x 2 x 0.25 mm² (AWG24) |
| Min. bending radius, moved in drag-chain | 10 x outer cable diameter |
| Min. bending radius, fixed installation | 5 x outer cable diameter |
| Outer cable diameter | 6.6 mm ± 0.2mm (0.259" ± 0.0079") |
| Conductor material | copper bare |
| Optical covering factor of shielding | ≥ 85% |
| Use | drag-chain suitable |

| | |
|---|---|
| Max. acceleration | 10 m/s² |
| Max. speed | 3 m/s |
| Max. travel distance | 10 m |
| Max. number of cycles | 2 million |
| Jacket color | green |
| Material jacket | PUR (polyurethane) |
| Wire color code | brown, white / green, yellow / gray, pink |
| Wire insulation material | PP (polypropylene) |
| Printing on the jacket | 781-GR260T Li9YVICVI11Y 3 x 2 x 0.25 mm² |
| Printing color | black |
| **Environmental data** | |
| Operation temperature range, moved | -20...+80 °C, -4...+176 °F |
| Operation temperature range, fixed installation | -40...+80 °C, -40...+185 °F |
| Oil resistance | according to DIN EN 60811-2-1 |
| Flame-retardant | 758/1581 |
| Halogen-free | DIN VDE 0472 part 815 |
| RoHS compliant | yes |

## Contact assembly




## Dimensions




| | |
|---|---|
| A1 | 44.00 mm |
| B1 | 44.00 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.

| Ordering information | Length |
|---|---|
| ZK4721-0410-2010 | 1.00 m |
| ZK4721-0410-2030 | 3.00 m |
| ZK4721-0410-2050 | 5.00 m |
| ZK4721-0410-2100 | 10.00 m |
| ZK4721-0410-2200 | 20.00 m |