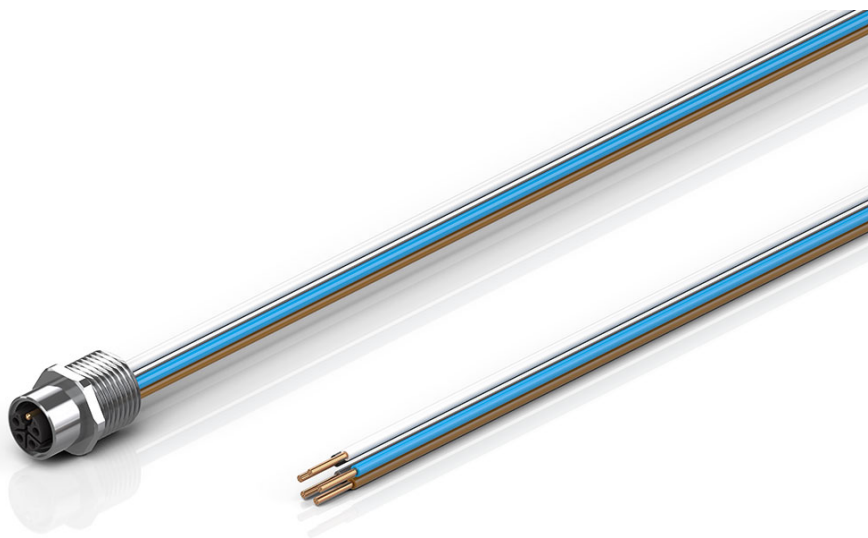


# ZK2050-5600-0xxx | Power cable, PVC, 5 x 1.5 mm<sup>2</sup> (AWG16), fixed installation



M12, flange rear assembly, straight, female, 5-pin, L-coded – open end, 5-wire



## Plugs

| Electrical data            | Head A                                      | Head B   |
|----------------------------|---------------------------------------------|----------|
| Rated voltage              | 63 V (according to IEC 61076-2-111)         | -        |
| Rated current              | 16 A at 40°C (according to IEC 61076-2-111) | -        |
| Shielding                  | no                                          | -        |
| Contact resistance         | < 3 mΩ                                      | -        |
| Mechanical data            |                                             |          |
| Installation size          | M12                                         | open end |
| Connector type             | flange rear assembly                        | -        |
| Configuration              | straight                                    | -        |
| Contact type               | female                                      | -        |
| Number of positions (face) | 5-pin                                       | 5-wire   |
| Coding                     | L-coded                                     | -        |
| Mating cycles              | ≥ 100                                       | -        |
| Way of locking             | screw                                       | -        |

|                                 |                                                       |   |
|---------------------------------|-------------------------------------------------------|---|
| Flange housing material         | Metal, CuZn, nickel-plated                            | - |
| Seal                            | FKM/FPM                                               | - |
| Contact carrier color           | black                                                 | - |
| Contact carrier material        | plastic                                               | - |
| Contact material                | brass/gold plated                                     | - |
| Max. wire cross-section         | AWG16 (1.5 mm <sup>2</sup> )                          | - |
| <b>Environmental data</b>       |                                                       |   |
| RoHS compliant                  | yes                                                   | - |
| Ambient temperature (operation) | -30...+90°C, -22...+194°F                             | - |
| Protection rating               | IP65/67 in screwed condition (according to IEC 60529) | - |
| Pollution level                 | 3                                                     | - |
| CE                              | yes                                                   | - |
| Approvals                       | UL listed                                             | - |

## Cable

|                                |                                                                                  |  |
|--------------------------------|----------------------------------------------------------------------------------|--|
| <b>Electrical data</b>         |                                                                                  |  |
| Rated voltage                  | ≤ 300 V                                                                          |  |
| Wire resistance (power)        | ≤ 58.0 Ω/km                                                                      |  |
| Test voltage                   | ≥ 3000 V                                                                         |  |
| <b>Mechanical data</b>         |                                                                                  |  |
| Conductor construction (power) | 84 x 0.15 mm                                                                     |  |
| Cross-section                  | 5 x 1.5 mm <sup>2</sup> (approx. AWG16)                                          |  |
| Outer cable diameter           | 7.8 mm ± 0.2 mm (0.3071" ± 0.0079")                                              |  |
| Min. bending radius, moved     | 6 x outer cable diameter                                                         |  |
| Weight                         | 112.2 kg/km (75.17 lb/1000 ft)                                                   |  |
| Shielding                      | no                                                                               |  |
| Use                            | drag-chain suitable                                                              |  |
| Max. acceleration              | 10 m/s <sup>2</sup>                                                              |  |
| 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, white, blue, black, gray                                                  |  |
| Wire insulation material       | PP (polypropylene)                                                               |  |
| Printing color                 | white                                                                            |  |

**Environmental data**

|                                    |                                    |
|------------------------------------|------------------------------------|
| Operation temperature range, moved | -25...+80°C, -13...+176°F          |
| Flame-retardant                    | according to cULus 20549           |
| Halogen-free                       | according to DIN VDE 0472 part 815 |

**Pin assignment**

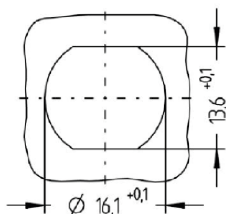
|    |               |      |
|----|---------------|------|
| 1  | braun/brown   | n.c. |
| 2  | weiß/white    | n.c. |
| 3  | blau/blue     | n.c. |
| 4  | schwarz/black | n.c. |
| FE | grau/grey     | n.c. |

**Dimensions**

|    |          |
|----|----------|
| A1 | 24.80 mm |
| A2 | M12x1    |

**Notes**

- Depending on the cable length (L), the following length tolerances apply:  
0 m...<0.2 m:  $\pm 10$  mm | 0.2...4.0 m:  $+ 40$  mm |  $\geq 4.0$  m:  $+ 1\%$
- Illustrations similar
- Further cable length on request.

**Installation dimensions****Ordering information****Length**

|                  |        |
|------------------|--------|
| ZK2050-5600-0005 | 0.50 m |
|------------------|--------|

Further length on request

**Accessories**

|             |                                                       |
|-------------|-------------------------------------------------------|
| ZB8801-0000 | torque wrench for hexagonal plugs, adjustable         |
| ZB8801-0002 | torque cable key, M12/wrench size 13, 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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