



Connection cable | M12 plug, straight, 4-pin – M12 socket, angled, 4-pin

| Electrical data | ZK2000-6164-0xxx |
|-----------------------|---|
| Rated voltage | 250 V (according to IEC 61076-2-101) |
| Rated current | 4 A at 40 °C (according to IEC 61076-2-101) |
| Insulation resistance | ≥ 10 GΩ (according to IEC 60512-2) |

| Mechanical data | |
|---------------------|---|
| Protection class | IP 67 in screwed condition (according to IEC 60529) |
| Ambient temperature | -30 °C...+85 °C (according to IEC 60644-1) |
| Insertion cycles | ≤ 100 (according to IEC 60512-9a) |
| Contamination level | 3/2 (according to IEC 60664-1) |

| Mechanical properties cable | |
|-----------------------------|--|
| Ambient temperature | -25 °C...+80 °C |
| Cable outside diameter | 4.70 ±0.15 mm |
| Bending radius | min. 6 x D |
| Number of cycles | min. 2 million for max. travel path of 100 m, min. 10 million for max. travel path of 20 m |
| Parameter | max. velocity 5 m/s, acceleration max. 10m/sec ² |
| Approbations | UL |
| Material properties | halogen-free as per DIN VDE 0472 part 815, flame-resistant DIN EN 60332-2-2 |

| Materials | |
|----------------------|--|
| Contact material | CuZn |
| Contact surface | Ni, Au gal. |
| Contact carrier/body | TPU GF, UL 94/TPU, black, self-extinguishing |
| Coupling screw/nut | CuZn, Ni |
| Seal | FPM |
| Cable | TPU, UL20549, black, 4 x 0.34 mm ² , Li12Y11Y |

| Ordering information | Cable length |
|----------------------|--------------|
| ZK2000-6164-0005 | 0.50 m |
| ZK2000-6164-0010 | 1.00 m |
| ZK2000-6164-0020 | 2.00 m |
| ZK2000-6164-0050 | 5.00 m |