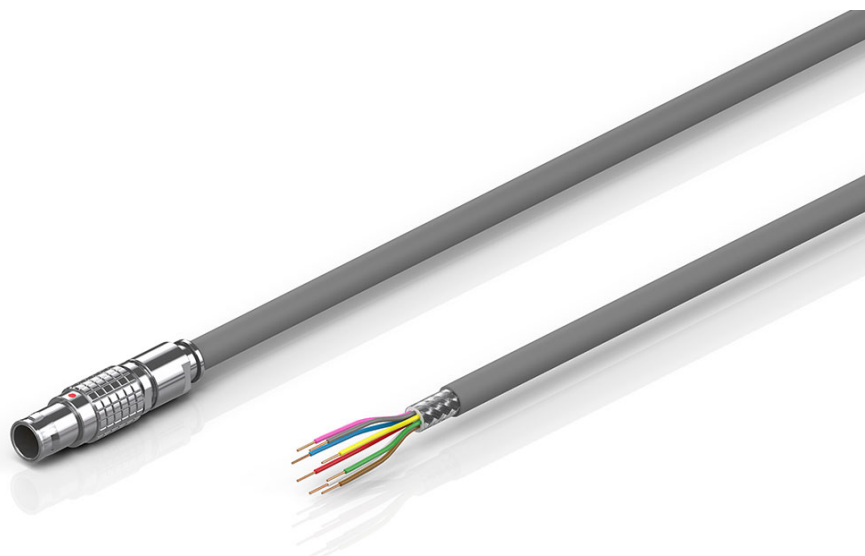


ZK2003-8100-3xxx | Sensor cable, PUR, shielded, gray, 4 x 2 x 0.25 mm², fixed installation, push-pull



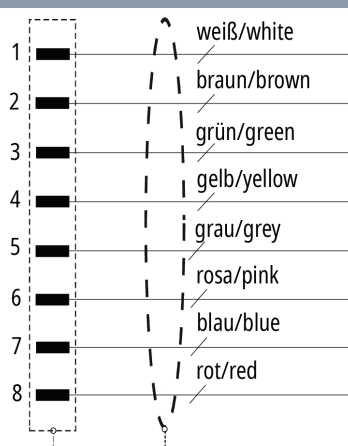
plug, straight, male, 8-pin – open end, 8-wire + shield



Plugs

Electrical data	Head A	Head B
Rated current	5 A	-
Shielding	yes	-
Mechanical data		
Accessories type	Connectors	-
Installation size	-	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	8-pin	8-wire + shield
Wire termination	crimp connection	-
Mating cycles	≥ 50	-
Weight per piece	0.0161 kg (0.0355 lb)	-
Body color	metal	-

Contact carrier material	PEEK	-
Max. wire cross-section	AWG26 ... AWG22 (0.14 mm ² ... 0.34 mm ²)	-
Max. cable outer diameter	7.3...7.6 mm	-
Environmental data		
Special features	Salt spray corrosion > 1.000 h	-
Shock resistance	100 g (6 ms)	-
Vibration resistance	15 g (10 Hz...2000 Hz)	-
Ambient temperature (operation)	-55...+250°C, -67...+482°F	-
Protection rating	IP50	-

Contact assembly**Dimensions**

A1	43.0 mm
A2	Ø 12.0 mm

Notes

- Depending on the cable length (L), the following length tolerances apply:
0 m...3.0 m: + 100 mm | 3.0...10.0 m: ± 100 mm | ≥ 10.0 m: ± 2%
- Illustrations similar
- Further cable length on request. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK2003-8100-3050	5.00 m
ZK2003-8100-3100	10.00 m
ZK2003-8100-3200	20.00 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

Beckhoff®, TwinCAT®, TwinCAT/BSD®, TC/BSD®, EtherCAT®, EtherCAT G®, EtherCAT G10®, EtherCAT P®, Safety over EtherCAT®, TwinSAFE®, XFC®, XTS® and XPlanar® 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 04/2025

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 expressly agreed in the terms of contract.