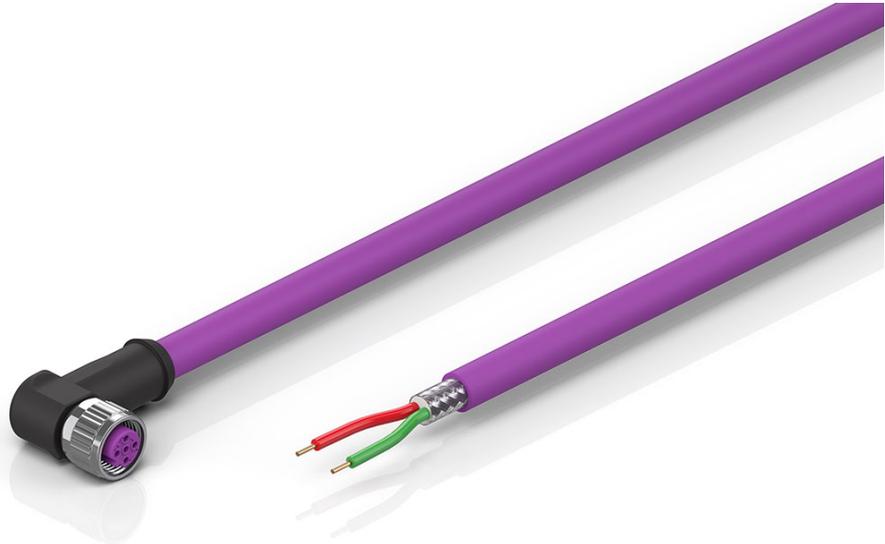


ZK1031-6400-1xxx | PROFIBUS cable, PUR, drag-chain suitable



M12, socket, angled, female, 4-pin, B-coded – open end, 2-wire + shielding



Plugs

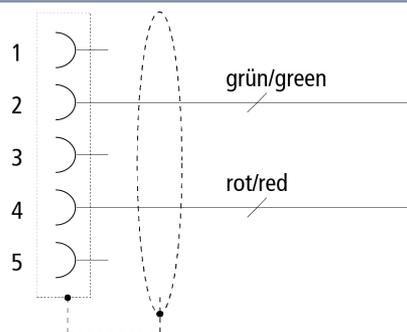
Electrical data	Head A	Head B
Rated voltage	160 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40°C (according to IEC 61076-2-101)	-
Shielding	yes	-
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	angled	-
Contact type	female	-
Number of positions (face)	4-pin	2-wire + shielding
Coding	B-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

Body color	black	-
Body material	TPU, UL 94	-
Coupling nut material	CuZn, Ni	-
Seal	FPM	-
Contact carrier color	violet RAL 4001	-
Contact carrier material	TPU GF, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental data		
Special features	flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	-
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+80°C, -22...+176°F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Operating voltage	≤ 300 V	
Mutual capacitance wire/wire	max. 30 nF/km (800 Hz)	
Insulation resistance	≥ 16 GΩ/km	
Mutual capacitance	28.5 nF/km (1 kHz)	
Wire resistance	≤ 58 Ω/km (20°C)	
Loop resistance	≤ 133 Ω/km	
Test voltage	≥ 3000 V	
Mechanical data		
Cable structure	2 wires stranded with 2 drain wires	
Conductor construction	19 x 0.14 mm	
Cross-section	2 x 0.25 mm ² (AWG24)	
Outer cable diameter	8.50 ±0.40 mm	
Min. bending radius, fixed installation	7.5 x outer cable diameter	
Weight	62 kg/km (41.66 lb/1000 ft)	
Conductor material	copper bare	
Shielding	aluminum-clad foil, braiding of tinned copper wires	
Optical covering factor of shielding	≥ 85%	
Use	drag-chain suitable	

Max. acceleration	4 m/s ²
Max. number of cycles	5 million
Jacket color	violet (similar to RAL 4001)
Material jacket	PUR (polyurethane)
Wire color code	red, green
Wire insulation material	PE (polyethylene)
Printing color	black
Environmental data	
Operation temperature range, fixed installation	-40...+80°C, -40...+176°F
Oil resistance	according to DIN EN 60811-2-1
Flame-retardant	according to IEC 60332-1-2
RoHS compliant	DIN VDE 0472, PART 815/A

Contact assembly**Dimensions**

A1	35.00 mm
A2	26.80 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	
UL	yes, UL E-file number: E318363

Ordering information	Length
ZK1031-6400-1020	2.00 m
ZK1031-6400-1050	5.00 m
ZK1031-6400-1100	10.00 m
ZK1031-6400-1140	14.00 m
ZK1031-6400-1150	15.00 m

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000
ZB8803-0003	Flange/Panel feed-through for M12 pre-assembled, for fixing the connector, plastic



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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