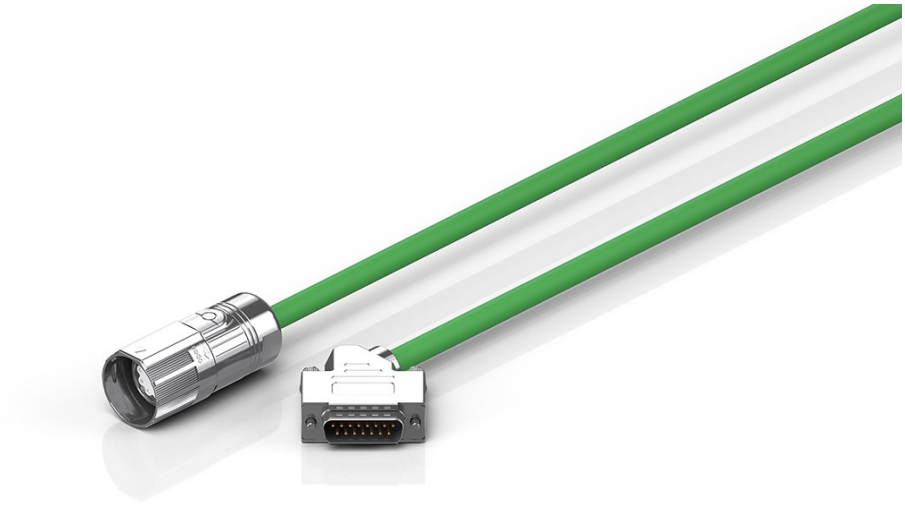
ZK4530-8010-xxxx | Resolver connection cable 0.25 mm² with M23 speedtec® plug, drag-chain suitable

M23, plug, straight, female, 12-pin – D-sub, plug, angled, female, 15-pin



Plugs

Electrical data	Head A	Head B
Rated voltage (signal/24V)	160 V AC/DC	-
Rated current (signal/24V)	7 A max.	-
Rated impulse voltage (signal/24V)	2.5 kV	-
Contact resistance	< 5 mΩ	-
Mechanical data		
Accessories type	Connectors	Connectors
Installation size	M23	D-sub
Connector type	plug	plug
Configuration	straight	angled
Contact type	female	female
Number of positions (face)	12-pin	15-pin
Wire termination	crimp connection	solder connection
Mating cycles	500	-

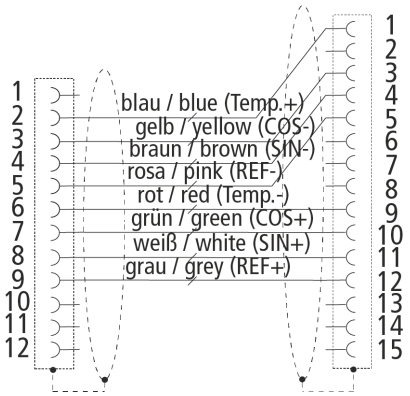
Way of locking	Speedtec®	screw
Weight	0.087 kg (0.1918 lb)	0.055 kg (0.1213 lb)
Body color	metal	metal
Body material	zinc diecast/nickel plated	zinc diecast/nickel plated
Seal	FKM	-
Clamp ring	brass/nickel plated	-
Contact carrier material	PBT, UL 94 V-0	-
Contact material	brass/gold plated	-
Environmental data		
Special features	Max. height for operation 2000 m	-
Ambient temperature (operation)	-20...+130°C, -4...+266°F	-
Protection rating	IP66/67 in screwed condition	IP20
Pollution level	3 (according to VDE 0110/EN61984 part 6.19.2.2)	-
Overvoltage category	3 (according to VDE 0110/EN61984 part 6.19.2.2)	-

Cable

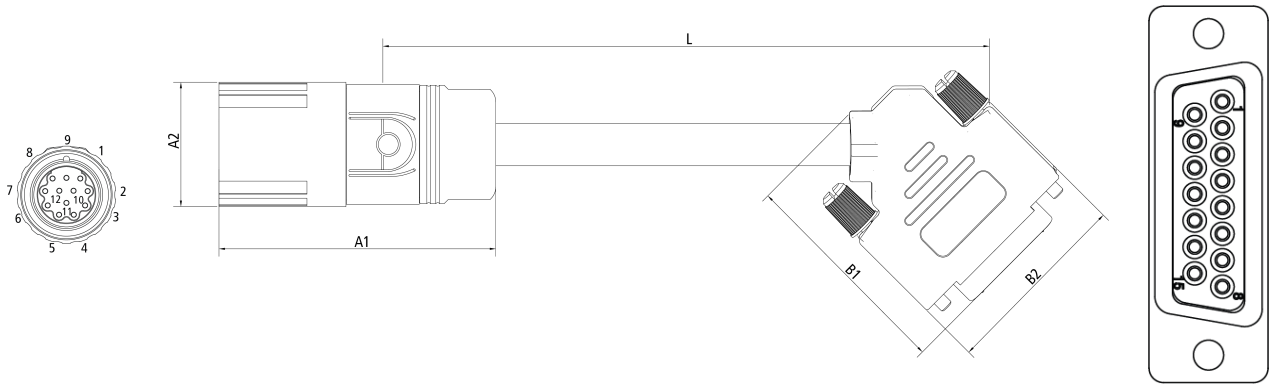
Electrical data	
Operating voltage	max. 300 V AC (UL), Uo/U 300/300 V (VDE)
Insulation resistance	≥ 500 MΩ
Wire resistance	≤ 76.0 Ω/km
Test voltage	1500 V (wire/wire and wire/screen)
Mechanical data	
Cross-section	4 x 2 x 0.25 mm²
Outer cable diameter	7.5 mm ± 0.3 mm (0.2952" ± 0.0118")
Min. bending radius, moved in drag-chain	10 x outer cable diameter
Min. bending radius, fixed installation	8 x outer cable diameter
Weight	80.3 kg/km (53.954 lb/1000 ft)
Conductor material	copper, tinned
Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable
Max. acceleration	20 m/s²
Max. speed	3 m/s
Max. travel distance	5 m
Max. number of cycles	5 million

Jacket color	green
Material jacket	PUR (polyurethane)
Wire color code	brown, green, yellow, gray, pink, blue, red, white
Wire insulation material	PP (polypropylene)
Printing color	black
Torsion angle in °/m	max. ± 30 °/m
Max. tensile load, dynamic	20 N/mm²
Max. tensile load, static	50 N/mm²
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 UL 1581
Flame-retardant	according to IEC 60332-1
CFC-free	yes
Halogen-free	yes
Silicone-free	yes
RoHS compliant	yes
CE	yes
UL	yes, UL E-file number: E356538
Approvals	cRUus AWM Style 20233, CE compliant

Pin assignment



Dimensions



A1	59.00 mm
A2	26.00 mm
B1	46.00 mm
B2	41.00 mm

Notes

- Depending on the cable length (L), the following length tolerances apply: ± 2-3%
- Illustrations similar
- The last three digits of the ordering information is the cable length in decimeters, e.g. ZK4xxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK4530-8010-0010	1.00 m
ZK4530-8010-0015	1.50 m
ZK4530-8010-0020	2.00 m
ZK4530-8010-0030	3.00 m
ZK4530-8010-0040	4.00 m
ZK4530-8010-0050	5.00 m
ZK4530-8010-0060	6.00 m
ZK4530-8010-0070	7.00 m
ZK4530-8010-0080	8.00 m
ZK4530-8010-0090	9.00 m
ZK4530-8010-0100	10.00 m
ZK4530-8010-0110	11.00 m
ZK4530-8010-0120	12.00 m
ZK4530-8010-0130	13.00 m
ZK4530-8010-0140	14.00 m
ZK4530-8010-0150	15.00 m

ZK4530-8010-0170	17.00 m
ZK4530-8010-0180	18.00 m
ZK4530-8010-0190	19.00 m
ZK4530-8010-0200	20.00 m
ZK4530-8010-0210	21.00 m
ZK4530-8010-0220	22.00 m
ZK4530-8010-0230	23.00 m
ZK4530-8010-0240	24.00 m
ZK4530-8010-0250	25.00 m
ZK4530-8010-0260	26.00 m
ZK4530-8010-0270	27.00 m
ZK4530-8010-0280	28.00 m
ZK4530-8010-0290	29.00 m
ZK4530-8010-0300	30.00 m
ZK4530-8010-0310	31.00 m
ZK4530-8010-0330	33.00 m
ZK4530-8010-0350	35.00 m
ZK4530-8010-0360	36.00 m
ZK4530-8010-0370	37.00 m
ZK4530-8010-0380	38.00 m
ZK4530-8010-0390	39.00 m
ZK4530-8010-0400	40.00 m
ZK4530-8010-0450	45.00 m
ZK4530-8010-0500	50.00 m
ZK4530-8010-0550	55.00 m
ZK4530-8010-0600	60.00 m
ZK4530-8010-0610	61.00 m
ZK4530-8010-0620	62.00 m
ZK4530-8010-0630	63.00 m
ZK4530-8010-0640	64.00 m
ZK4530-8010-0650	65.00 m
ZK4530-8010-0670	67.00 m
ZK4530-8010-0680	68.00 m
ZK4530-8010-0700	70.00 m
ZK4530-8010-0710	71.00 m
ZK4530-8010-0730	72.00 m
ZK4530-8010-0740	74.00 m

ZK4530-8010-0750	75.00 m
ZK4530-8010-0760	76.00 m
ZK4530-8010-0800	80.00 m
ZK4530-8010-1000	100 m

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