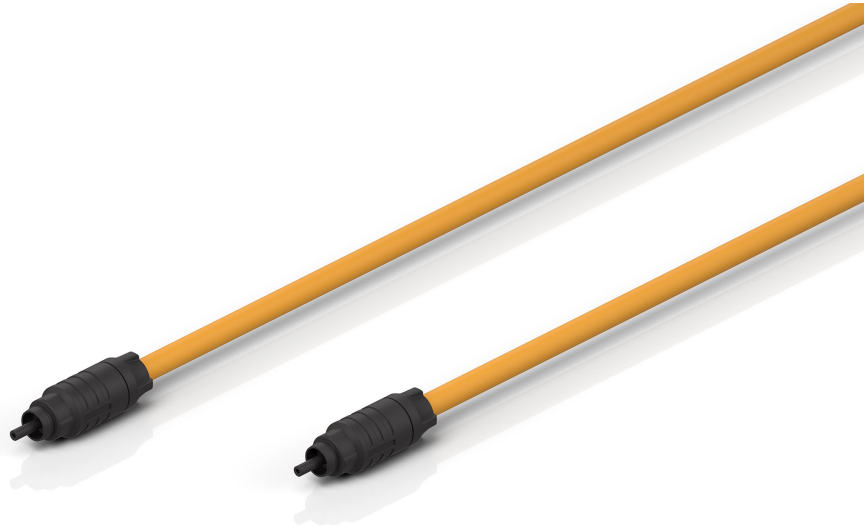


ZK1020-0101-0xxx | IP-Link cable

plug, straight – plug, straight



Plugs

Electrical data	Head A	Head B
Mechanical data		
Accessories type	Connectors	Connectors
Connector type	plug	plug
Configuration	straight	straight
Way of locking	push-pull	push-pull
Body color	black	black
Body material	Miramid FB30C, TPU 1195A	Miramid FB30C, TPU 1195A
Seal	FPM	FPM
Environmental data		
Ambient temperature (operation)	-20...+70 °C, -4...+158 °F	-20...+70 °C, -4...+158 °F
Protection rating	IP67	IP67

Cable

Electrical data	
Transmission characteristics	damping: 650 nm (laser) < 190 dB/km; 660 nm (LED) < 260 dB/km
Mechanical data	
Cable structure	Plastic fiber optic 980/1000 µm made from PMMA with fluor polymeric cladding, diameter 1,0 mm
Conductor construction	PE buffer tube, nominal diameter 2.2 mm
Min. bending radius, moved	12.5 x outer cable diameter
Min. bending radius, fixed installation	9 x outer cable diameter
Weight	23 kg/km (15.41 lb/1000 ft)
Outer cable diameter	5.5 mm ± 0.2 mm (0.216" ±0.0079")
Use	drag-chain suitable
Max. acceleration	4 m/s ²
Max. speed	4 m/s
Max. number of cycles	2 million
Jacket color	orange
Material jacket	PUR (polyurethane)
Wire color code	black
Printing on the jacket	- BECKHOFF Z1101 - I (meter imprint xxx,x m)
Printing color	black
Max. tensile load, dynamic	400 N
Max. tensile load, static	100 N
Environmental data	
Operation temperature range, moved	-20...+70 °C, -4...+158 °F
Ambient temperature, transport/storage	-40...+80 °C, -40...+176 °F
UV resistance	UV resistance of the outer jacket referred to DIN EN ISO 4892-2, Process A; UV application 500 hours
Oil resistance	Very good resistance to oil, gas, acids and bases
Special features	Plastic optical fiber for application in harsh industrial environments, for flexible applications as well as layout in cable conduits, pipes and cable racks, drag-chain suitable and direct connector assembly
Flame-retardant	flame-retardant
Halogen-free	according to IEC 60754-2
Approvals	Multimode fiber of the category A4a2 IEC 60793-2-40 and IEC 60794-2-42
Dimensions	

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.

Ordering information	Length
ZK1020-0101-0001	0.15 m
ZK1020-0101-0002	0.20 m
ZK1020-0101-0003	0.30 m
ZK1020-0101-0005	0.50 m
ZK1020-0101-0010	1.00 m
ZK1020-0101-0015	1.50 m
ZK1020-0101-0020	2.00 m
ZK1020-0101-0025	2.50 m
ZK1020-0101-0030	3.00 m
ZK1020-0101-0035	3.50 m
ZK1020-0101-0040	4.00 m
ZK1020-0101-0045	4.50 m
ZK1020-0101-0050	5.00 m
ZK1020-0101-0075	7.50 m
ZK1020-0101-0080	8.00 m
ZK1020-0101-0100	10.00 m
ZK1020-0101-0150	15.00 m



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