

C9900-K704...K712,-K724,-K726...-K728,-K773,- K789 | CP-Link 4 cable, shielded, PUR, 4 x 2 x AWG24/7, drag-chain suitable, black, Cat.6A



M12, plug, straight, male, 8-pin, X-coded – RJ45, plug, straight, male, 8-pin



Plugs

Electrical data	Head A	Head B
Rated voltage	50 V AC / 60 V DC	50 V AC / 60 V DC
Rated current	0.5 A	1.75 A
Voltage proof (contact/contact)	500 V DC	1.0 kV
Voltage proof (contact/shield)	-	1.5 kV
Shielding	yes	yes
Contact resistance	< 15 mΩ	< 20 mΩ
Insulation resistance	≥ 10 GΩ	≥ 5 GΩ
Mechanical data		
Installation size	M12	RJ45
Connector type	plug	plug
Configuration	straight	straight
Contact type	male	male

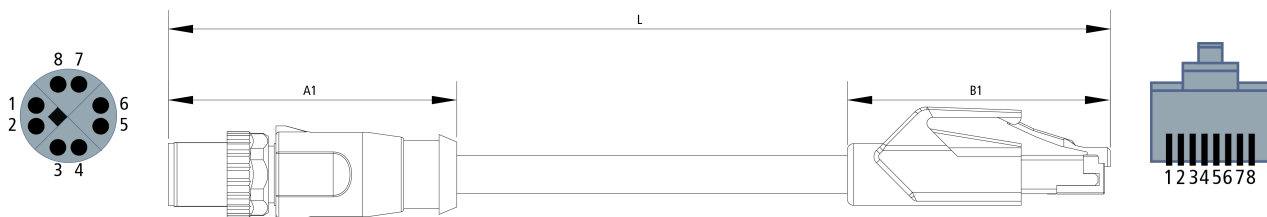
Number of positions (face)	8-pin	8-pin
Coding	X-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100	≥ 750
Way of locking	screw	locking pin
Body material	Zinc die-cast	Polyamid
Coupling nut material	Zinc die-cast	-
Contact material	CuZn	nickel/gold plated
Environmental data		
RoHS compliant	yes	yes
Protection rating	IP65/67	IP20
Approvals	UL	UL, CSA

Cable

Electrical data	
Rated voltage	125 V
Insulation resistance	≥ 5GΩ * km
Mutual capacitance	50 nF/km
Characteristic impedance	100 Ω according to IEC 61156-6
Loop resistance	175.2 Ω/km
Dielectric strength wire/wire	750 V
Dielectric strength wire/shield	750 V
Test voltage	750 V, 50 Hz, 1 min. (wire/wire and wire/screen)
Mechanical data	
Conductor construction	7 strand
Cross-section	4 x 2 x AWG24
Outer cable diameter	8.9 mm
Min. bending radius, moved	15 x outer cable diameter
Min. bending radius, fixed installation	8 x outer cable diameter
Weight	46 kg/km (101.41 lb/1000 ft)
Conductor material	copper, tinned
Shielding	braiding of tinned copper wires
Optical covering factor of shielding (total)	≥ 85 %
Use	drag-chain suitable
Jacket color	black

Material jacket	PUR (polyurethane)
Wire color code	white / blue, white / orange, white / green, white / brown
Wire insulation material	PUR (polyurethane)
Printing on the jacket	BECKHOFF CP-LINK 4 CABLE DRAG CHAIN CAT 6A c(UL)us CMX 75°C E23660 or AWM Style 21576 AWM I/II A/B 80°C 1000V FT2 + production batch
Environmental data	
Operation temperature range, moved	-30...+70 °C, -22...+158 °F
Operation temperature range, fixed installation	-40...+80 °C, -40...+185 °F
Oil resistance	According to IEC 60811-2-1
Acid, lye and solvent resistance	depends on medium, concentration, temperature and duration
Flame-retardant	according to IEC 60332-1-2, VW-1 to UL1581
Halogen-free	DIN VDE 0472 part 815

Dimensions



A1	45.4 mm
A2	Ø 16.4 mm
B1	60.0 mm
B2	16.0 mm

Notes

- Depending on the cable length (L), the following length tolerances apply:
0 ... ≥ 5.0 m: ± 40 mm | ≥ 6.0 m: ± 60 mm | ≥ 10.0 m: ± 100 mm | ≥ 20.0 m: ± 200 mm | ≥ 30.0 ... 60.0 m: ± 300 mm
- Illustrations similar
- Further cable length on request.

CE, UL

CE	yes
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Ordering information

Ordering information	Length
C9900-K724	3.00 m
C9900-K704	5.00 m

C9900-K705	10.00 m
C9900-K727	15.00 m
C9900-K706	20.00 m
C9900-K728	25.00 m
C9900-K707	30.00 m
C9900-K708	40.00 m
C9900-K709	50.00 m
C9900-K710	60.00 m
C9900-K711	70.00 m
C9900-K712	80.00 m



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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