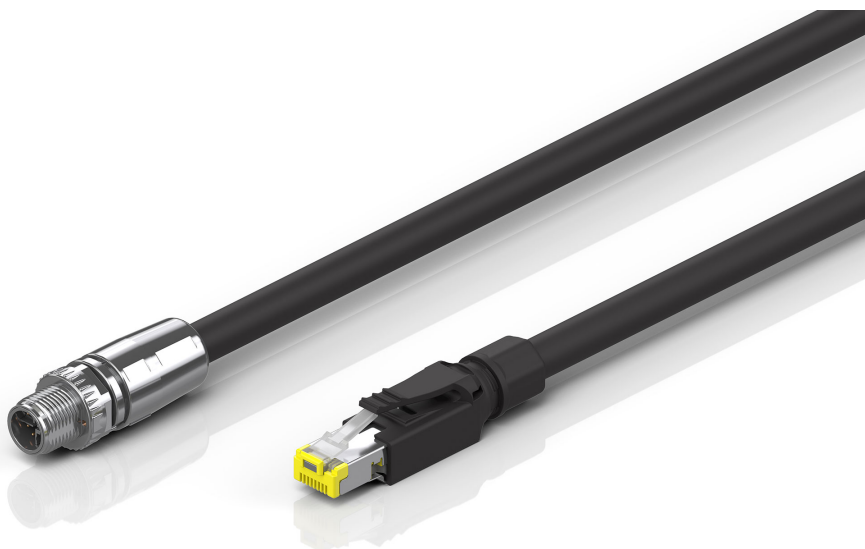


# C9900-K652...K666,-K761 | CP-Link 4 cable, shielded, PVC, 4 x 2 x AWG23/7, fixed installation, black, Cat.6A



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
<b>Environmental data</b>		
RoHS compliant	yes	yes
Protection rating	IP65/67	IP20
Approvals	UL	UL, CSA

## Cable

<b>Electrical data</b>		
Rated voltage	≤ 80 V	
Insulation resistance	≥ 500 MΩ/km	
Characteristic impedance	100 Ω ± 5 Ω (100 MHz)	
Loop resistance	≤ 150 Ω/km	
Dielectric strength wire/wire	800 V	
Dielectric strength wire/shield	800 V	
Test voltage	800 V (wire/wire and wire/screen)	
<b>Mechanical data</b>		
Conductor construction	7 strand	
Cross-section	4 x 2 x AWG23/7	
Outer cable diameter	8.7 mm ± 0.2 mm (0.3425" ± 0.0079")	
Min. bending radius, moved	8 x outer cable diameter	
Min. bending radius, fixed installation	4 x outer cable diameter	
Conductor material	copper, tinned	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding (total)	≥ 85 %	
Use	fixed installation	
Jacket color	black	
Material jacket	PVC (polyvinyl chloride)	
Wire color code	white / blue, white / orange, white / green, white / brown	
Wire insulation material	PVC (polyvinyl chloride)	

Printing on the jacket

BECKHOFF CP-LINK 4 CABLE CAT 6A \*E130266 AWM STYLE 2461 + production batch + sequential length in metres

**Environmental data**

Operation temperature range, fixed installation

-40...+80 °C, -40...+176 °F

UV resistance

yes

Flame-retardant

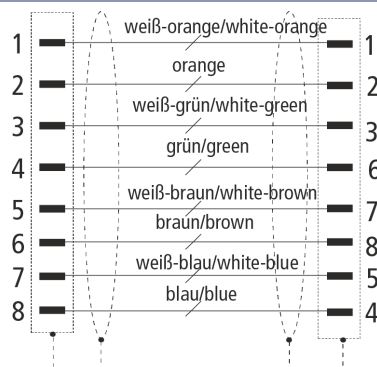
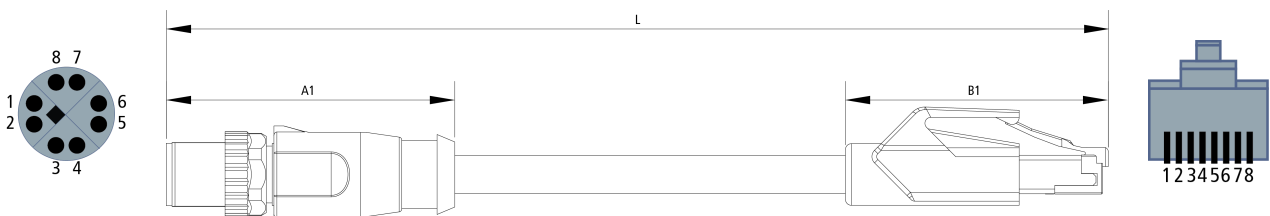
according to IEC 60332-1-2

Silicone-free

yes

Approvals

UL-Style 2461 (80°C/300V)

**Contact assembly****Dimensions**

A1 45.4 mm

A2  $\varnothing$  16.4 mm

B1 60.0 mm

B2 16.0 mm

**Notes**

Depending on the cable length (L), the following length tolerances apply:

0 m ... 10.0 m :  $\pm$  40 mm |  $\geq$  10.0 ... 15.0 m :  $\pm$  100 mm |  $\geq$  15.0 ... 30.0 m :  $\pm$  200 mm |  $\geq$  30.0... 70.0 m :  $\pm$  300 mm |  $\geq$  70.0... 90.0 m :  $\pm$  400 mm |  $\geq$  100.0 m :  $\pm$  500 mm

- Illustrations similar

- Further cable length on request.

## CE, UL

CE yes

## Ordering information

## Length

C9900-K667	3.00 m
C9900-K652	5.00 m
C9900-K653	10.00 m
C9900-K665	15.00 m
C9900-K654	20.00 m
C9900-K666	25.00 m
C9900-K655	30.00 m
C9900-K656	40.00 m
C9900-K657	50.00 m
C9900-K658	60.00 m
C9900-K659	70.00 m
C9900-K660	80.00 m
C9900-K661	90.00 m
C9900-K662	100 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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