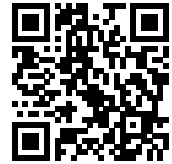
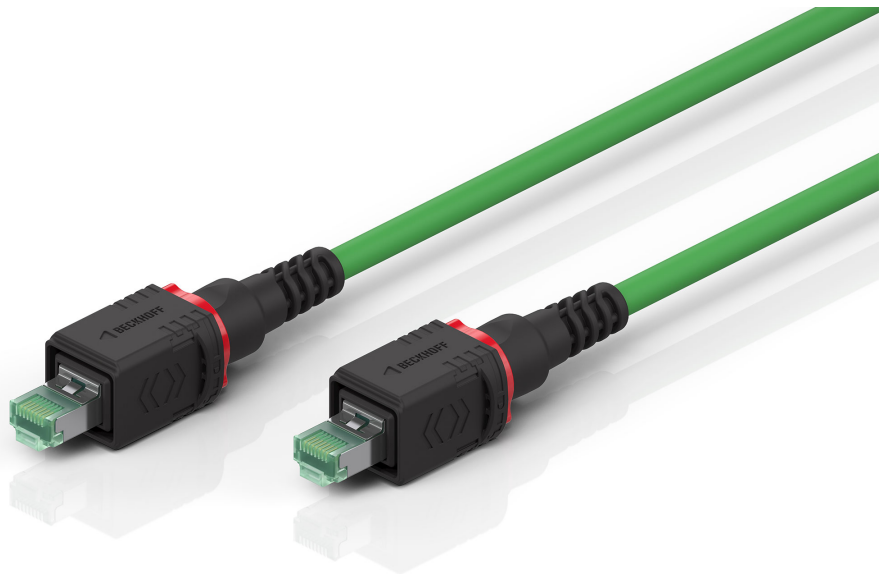


# C9900-K948...K958 | Industrial Ethernet/EtherCAT cable, PUR, 4 x 2 x AWG26/7, fixed installation, green, Cat.6A



RJ45, push-pull V4, plug, straight, male, 8-pin – RJ45, push-pull V4, plug, straight, male, 8-pin



## Plugs

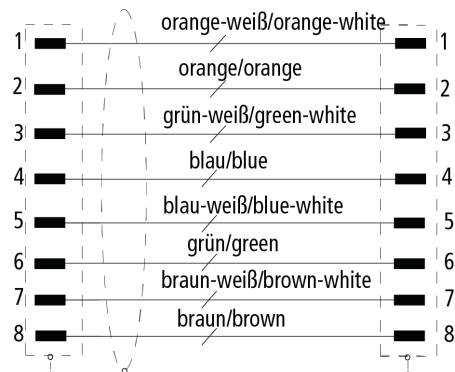
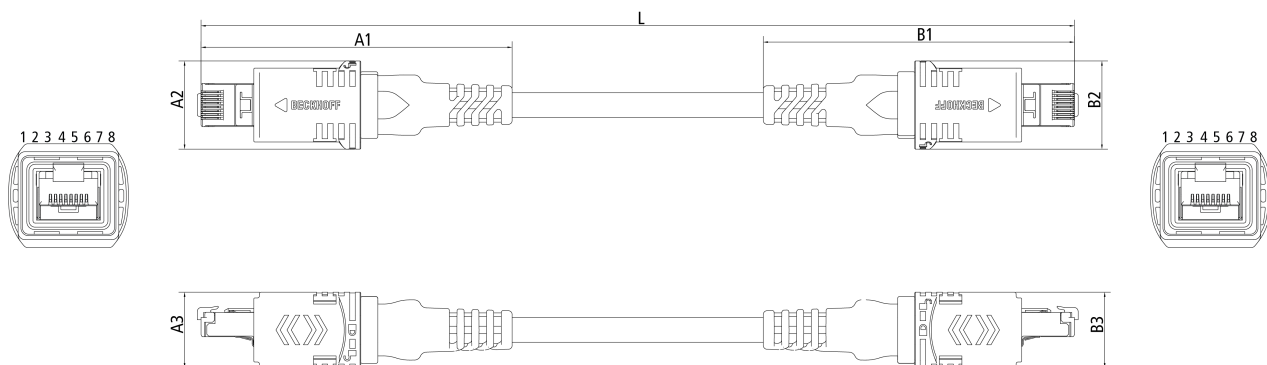
Electrical data	Head A	Head B
Rated voltage	50 V AC / 60 V DC	50 V AC / 60 V DC
Rated current	1.3 A at 40°C	1.3 A at 40°C
Voltage proof (contact/contact)	≥ 1000 V DC	≥ 1000 V DC
Voltage proof (contact/shield)	≥ 1500 V DC	≥ 1500 V DC
Shielding	yes	yes
Mechanical data		
Installation size	RJ45, push-pull V4	RJ45, push-pull V4
Connector type	plug	plug
Configuration	straight	straight
Contact type	male	male
Number of positions (face)	8-pin	8-pin
Mating cycles	≥ 750	≥ 750

Way of locking	push-pull	push-pull
Weight per piece	0.049 kg (0.1080 lb)	0.049 kg (0.1080 lb)
Body color	black	black
Body material	thermoplastic	thermoplastic
Contact carrier color	transparent/blue	transparent/blue
Contact carrier material	UL 94 V-0	UL 94 V-0
Contact material	CuZn, Ni b/Au	CuZn, Ni b/Au
<b>Environmental data</b>		
Special features	Cat.6A	Cat.6A
UV resistance	yes	yes
RoHS compliant	yes	yes
Ambient temperature (operation)	-40...+70 °C, -40...+158 °F	-40...+70 °C, -40...+158 °F
Protection rating	IP65/67	IP65/67
Approvals	UL, CSA	UL, CSA

## Cable

<b>Electrical data</b>		
Operating voltage	max. 100 V	
Insulation resistance	≥ 500 MΩ/km	
Wire resistance	≤ 290 Ω/km (20 °C)	
Electrical parameters	Cat.6A	
Test voltage	700 V, 50 Hz, 1 min. (wire/wire and wire/screen)	
<b>Mechanical data</b>		
Conductor construction	7 strand	
Cross-section	4 x 2 x AWG26/7	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	46 kg/km (101,41 lb/1000 ft)	
Outer cable diameter	6.7 mm ± 0.3 mm (0.2637" ± 0.0118")	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding (total)	≥ 70 %	
Use	fixed installation	
UL-Style conductor	AWM 21815 (80°C/300V)	
Jacket color	green	
Material jacket	PUR (polyurethane)	

Wire color code	white / blue, white / orange, white / green, white / brown
Wire insulation material	PUR (polyurethane)
<b>Environmental data</b>	
Operation temperature range, moved	-40...+80 °C, -40...+176 °F
Operation temperature range, fixed installation	-40...+80 °C, -40...+176 °F
UV resistance	yes
Oil resistance	according to DIN EN 60811-404 (7x24 h/90 °C)
Flame-retardant	according to IEC 60332-1-2, UL 1581 Sec. 1090 (H)
Halogen-free	yes
RoHS compliant	yes acc. to directive 2011/65/EC
Approvals	UL listed

**Contact assembly****Dimensions**

A1	68.0 mm
A2	23.8 mm
A3	20.4 mm
B1	68.0 mm
B2	23.8 mm

B3	20.4 mm
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## Notes

- Depending on the cable length (L), the following length tolerances apply:  
0.5 m:  $\pm 20$  mm | 1.0 m ... 5.0 m:  $\pm 40$  mm | 7.5 m ... 50.0 m:  $\pm 1\%$
- Illustrations similar
- Further cable length on request.

### CE, UL

CE	yes
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### Ordering information

#### Length

C9900-K948	0.50 m
C9900-K949	1.00 m
C9900-K950	3.00 m
C9900-K951	5.00 m
C9900-K952	7.50 m
C9900-K953	10.00 m
C9900-K954	15.00 m
C9900-K955	20.00 m
C9900-K956	30.00 m
C9900-K957	40.00 m
C9900-K958	50.00 m



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