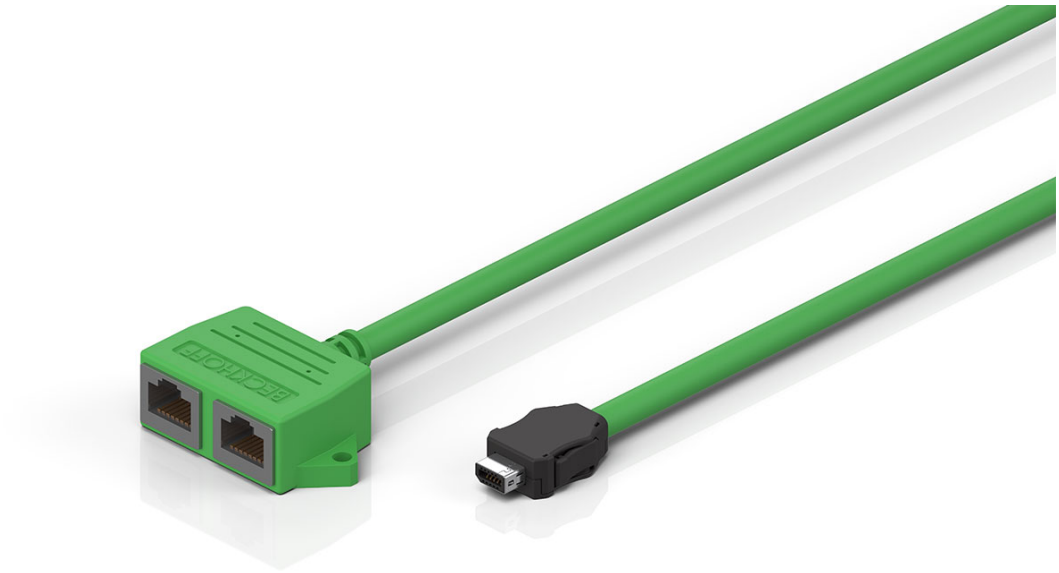
C9900-K921 | Industrial Ethernet/EtherCAT adapter, shielded, TPU, 4 x 2 x 0.14 mm², fixed installation, green

ix Industrial®, plug, straight, male, 10-pin, Type A – RJ45, plug, straight, female+ female, 8-pin



Plugs

Electrical data	Head A	Head B
Rated voltage	50 V AC/60 V DC	125 V
Test voltage	500 V	-
Rated current	1.5 A	1.5 A
Dielectric strength	-	1000 V AC/min.
Shielding	yes	yes
Contact resistance	< 30 mΩ	< 30 mΩ
Insulation resistance	≥ 500 MΩ/km	≥ 500 MΩ/km
Transmission characteristics	Cat.6 Class EA up to 500 MHz, 10/100 Mbit/s, 1/10 Gbit/s	Cat.6
Mechanical data		
Installation size	ix Industrial®	RJ45
Connector type	plug	plug

Configuration	straight	straight
Contact type	male	female+ female
Number of positions (face)	10-pin	8-pin
Coding	Type A	-
Wire termination	IDC	-
Mating cycles	≥ 5000	≥ 750
Way of locking	locking pin	locking pin
Body color	black	black
Body material	Polycarbonate resin	Polyvinylchloride
Contact plating	Au	Au over Ni
Contact material	copper alloy	phosphorus bronze
Max. wire cross-section	AWG26 (0.14 mm^2)	-
Max. cable outer diameter	6.0...7.2 mm	-
Environmental data		
RoHS compliant	yes	yes
Protection rating	IP20	IP20
Approvals	UL 1977 ECBT2.E102079, CSA-C22.2 No. 182.3 ECBT8.E102079	-
UL	yes	yes

Cable

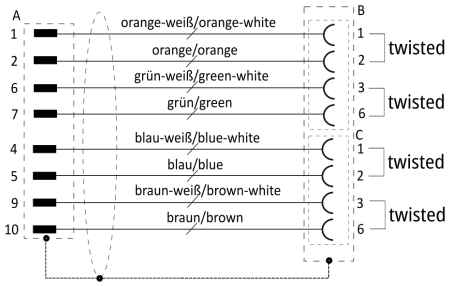
Electrical data	
Rated voltage	30 V
Wire resistance	≤ 148,94 Ω/km (20°C)
Characteristic impedance	100 Ω ± 15 Ω (100 MHz)
Mechanical data	
Cable structure	S/FTP
Cable structure (Ethernet)	twisted shielded pair
Conductor construction	8 strand
Cross-section	4 x 2 x AWG26/7
Outer cable diameter	6.5 mm ± 0.2 mm (0.2559" ± 0.0079")
Shielding	braiding of tinned copper wires
Use	fixed installation
Jacket color	green
Material jacket	TPU (thermoplastic polyurethane)
Wire insulation material	PE (polyethylene)

Printing on the jacket	E119932-U UR AWM 20554 80°C 30V CAT.6 PATCH CABLE 4SFTP 26AWG STRANDED COPARTNER

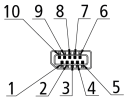
Environmental data

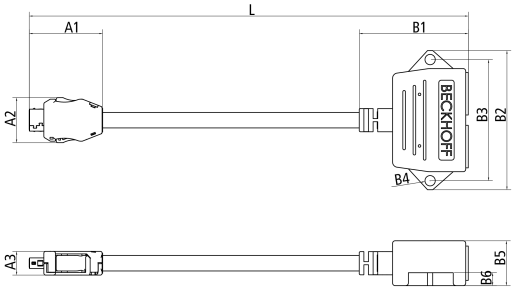
Operation temperature range, fixed installation	-10...+80°C, +14...+176°F

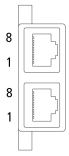
Pin assignment



Dimensions







A1	30.00 mm
A2	17.00 mm
B1	42.5 mm
B2	54.0 mm
B3	47.0 mm
B4	Ø 4.0 mm
B5	17.4 mm
B6	5.0 mm

Notes

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

0.5 m: ± 30 mm | 1.0 m ... 3.0 m: ± 50 mm | 5.0 m: ± 100 mm
- Illustrations similar
- Further cable length on request.

CE, UL	
CE	yes

Ordering information	Length
C9900-K921	1.00 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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