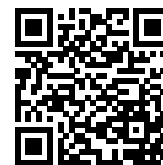


C9900-K639,-K641...K647 | USB-Extended cable, shielded, PUR, 4 x 2 x AWG26/7, fixed installation, green, Cat.5



RJ45, plug, straight, male, 8-pin – M9, plug, straight, female, 8-pin

Plugs

Electrical data	Head A	Head B
Rated voltage	160 V	125 V
Rated current	1 A at 50 °C	1 A at 40 °C
Shielding	yes	yes
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Accessories type	Connectors/Cables	-
Installation size	RJ45	M9
Connector type	plug	plug
Configuration	straight	straight
Contact type	male	female
Number of positions (face)	8-pin	8-pin
Mating cycles	≥ 750	≥ 500
Weight per piece	-	0,025 kg (0,0551 lb)

Body color	green	metal
Body material	PUR	-
Contact carrier color	-	black
Contact carrier material	-	PA, UL 94 V-0
Contact plating	Ni, Au gal.	Au
Contact material	CuZn	CuSn (bronze)
Environmental data		
UV resistance	according to IEC 60068-2-5	-
RoHS compliant	yes	-
Oil resistance	according to IEC 60811-2-1 or according to DIN VDE 0282 part 10	-
Protection rating	IP20	IP67

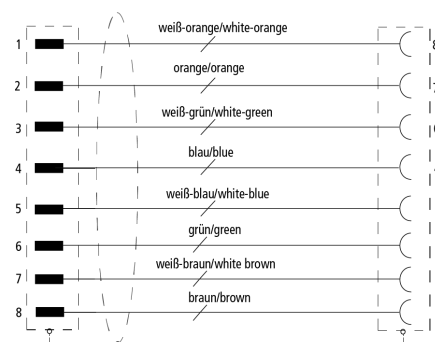
Cable

Electrical data		
Rated voltage	60 V (according to IEC 61076-2-104)	
Insulation resistance	min. 5000 M Ω /km bei 20 °C	
Unbalanced capacitance to ground	1600 pF/km	
Mutual capacitance	51 pF/m at 1 kHz	
Characteristic impedance (Ethernet)	100 Ω \pm 15 Ω (100 MHz)	
Loop resistance (Ethernet)	280 Ω /km	
Unbalanced resistance (Ethernet)	max. 5 % Ω at 20 °C	
Dielectric strength wire/wire (Ethernet)	1000 V DC	
Dielectric strength wire/shield (Ethernet)	1500 V DC	
Signal running time (Ethernet)	5.08 ns/m	
Electrical parameters (Ethernet)	based on Cat.5	
Test voltage	1000 V, 50 Hz, 1 min.	
Mechanical data		
Cable structure	4 x 2 x AWG26	
Cross-section (Ethernet)	0.14 mm ² (AWG26)	
Outer cable diameter	5.9 mm \pm 0.2 mm (0.2323" \pm 0.0079")	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Conductor material (Ethernet)	copper, tinned	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding (Ethernet)	90 %	

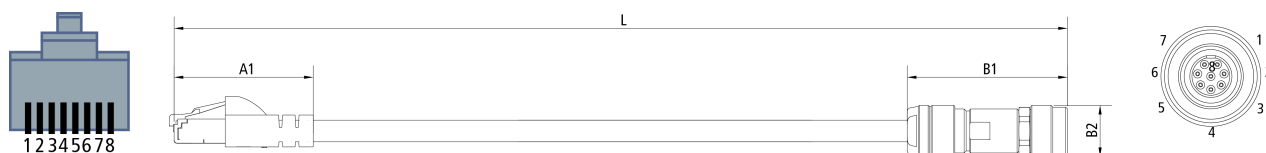
Use	fixed installation
Jacket color	green
Material jacket	PUR (polyurethane)
Wire color code	white/orange, orange, white/green, green, blue, white/blue, white/brown, brown
Wire insulation material	PE (polyethylene)
Printing color	black
Environmental data	
Operation temperature range, fixed installation	-40...+85 °C, -40...+185 °F
Oil resistance	against mineral-oil and petrol
Acid, lye and solvent resistance	depends on medium, concentration, temperature and duration
Flame-retardant	UL94-V2, IEC 60332-1
Halogen-free	according to IEC 60754-2

Attenuation	
Max. insertion loss	
Frequency [MHz]	1 4 10 16 20 31.25 62.5 100
[db/100 m]	2.4 4.9 7.8 9.8 11.1 14.0 20.4 22.4
[db/100 ft]	0.7 1.5 2.4 3 3.4 4.3 6.2 6.8
Min. near-end crosstalk attenuation	
Frequency [MHz]	1 4 10 16 20 31.25 62.5 100
[db/100 m]	62.3 52.3 47.3 44.2 42.8 39.9 35.4 32.3
[db/100 ft]	19 15.9 14.4 13.5 13 12.2 10.8 9.8

Contact assembly



Dimensions



A1	37.00 mm
B1	44.0 mm
B2	Ø 14,0 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.
- Connecting cable between USB extender and USB-extended receiver.

CE, UL	
CE	yes

Ordering information	Length
C9900-K641	3.00 m
C9900-K642	5.00 m
C9900-K639	6.00 m
C9900-K643	10.00 m
C9900-K644	20.00 m
C9900-K645	30.00 m
C9900-K646	40.00 m
C9900-K647	50.00 m

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