

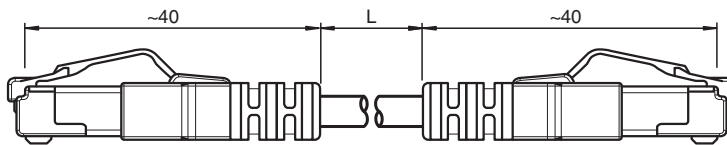
Connection cable, Ethernet V45-G-C6-GN10M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- UL listed for USA and Canada
- Halogen-free
- Immunity to vibration, with mechanical latching

Ethernet bus cable RJ45 plug straight to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat6A, pairs shielded and overall shield



Dimensions



Technical Data

General specifications

Connector 1			
Connection		plug	
Construction type		RJ45	
Style		straight	
Locking		snap locking	
Number of pins		8	
Coding		EIA/TIA 568 B	
Connector 2			
Connection		plug	
Construction type		RJ45	
Style		straight	
Locking		snap locking	
Number of pins		8	
Coding		EIA/TIA 568 B	
UL File Number		E520112	
Electrical specifications			
Operating voltage	U_B	max. 50 V AC / 60 V DC	
Operating current	I_B	max. 1 A	
Conformity			
Degree of protection		EN 60529	
Fieldbus standard		IEEE 802.3an 10GBASE-T	
Plug connection		connector RJ45 : IEC 60603-7	

Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70109018_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

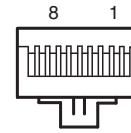
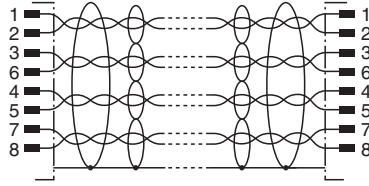
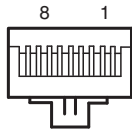
 **PEPPERL+FUCHS**

Technical Data

Component category	CAT6A (IEC 11801, EN 50173)	
Flammability	IEC 60332-1-2 , UL 1581	
Ambient conditions		
Ambient temperature		
Cable, fixed installation	-40 ... 85 °C (-40 ... 185 °F)	
Cable, flexing	-10 ... 60 °C (14 ... 140 °F)	
Pollution degree	3	
Mechanical specifications		
Plug connector		
Loosening protection	integrated	
Mating cycles	min. 750	
Shielding	shield connected to connector	
Degree of protection	IP20	
Cable		
Sheath diameter	6.2 mm	
Bending radius	max. 50 mm movable installation max. 25 mm fixed installation	
Sheath color	green (similar to RAL 6018)	
Number of cores	8	
Core cross section	0.14 mm ²	
Cores color	Core 1: white/orange Core 2: orange Core 3: white/green Core 4: blue Core 5: white/blue Core 6: green Core 7: white/brown Core 8: brown	
Core construction	7 x 0.404 mm Ø twisted pairs , twisted pair shield	
Shield	tinned copper braiding twisted pair shield : aluminum-lined polyester foil	
Length	L	10 m
Cable code	Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)	
Mass	415.7 g	
Material		
Halogen-free	yes	
Plug connector		
Body	PC	
Contact surface	Ni/Au	
Flammability	V-0	
Cable		
Sheathing	PUR	
Cores	bare copper (Cu)	
Core insulation	PE	
UV resistance	yes	
Oil resistance	yes	
Flammability	FT1	

Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70109018_eng.pdf

Connection



Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70109018_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**