

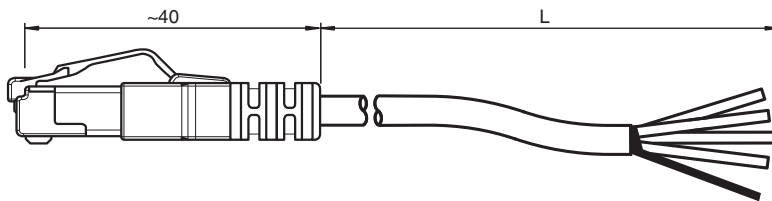
Cable connector, Ethernet V45-G-C5-GN1M-PUR-E1S

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- Industrial Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Free of paint wetting interfering substances
- Halogen-free

Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable



Dimensions



Technical Data

General specifications

Connector 1	
Connection	plug
Construction type	RJ45
Style	straight
Locking	snap locking
Number of pins	8
Coding	PROFINET
Connector 2	
Connection	cable end

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Insulation resistance		min. 100 M Ω

Conformity

Degree of protection	EN 60529
Plug connection	connector RJ45 : IEC 60603-7
Component category	CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability	IEC 60332-1-2 / UL 2556 / ISO 6722-1 5.22 (UN ECE-R 118.01)

Ambient conditions

Ambient temperature	
Cable, fixed	-30 ... 70 °C (-22 ... 158 °F) , UL: -20 ... 70 °C (-4 ... 158 °F)
Cable, flexing	-20 ... 70 °C (-4 ... 158 °F)

Mechanical specifications

Release date: 2024-03-17 Date of issue: 2024-03-17 Filename: 70108170_eng.pdf

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

Technical Data

Plug connector		
Loosening protection		available
Mating cycles		min. 100
Shielding		shield connected to connector
Degree of protection		IP20
Cable		
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force		max. 60 N / 100 mm
Sheath color		green (similar to RAL 6018)
Number of cores		4
Core cross section		0.34 mm ² / 22 AWG
Coresh color		Core 1: yellow Core 2: orange Core 3: white Core 6: blue
Core construction		7 x 0.254 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding
Length	L	1 m
Drag chain suitability		
Drag chain cycles		max. 1000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 2 m/s ²
Material		
PWIS free		yes
Halogen-free		yes
Plug connector		
Body		PA, green
Flammability		V-0
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Flammability		FT2 complies with UN ECE-R 118.01

Connection

