

### Model Number

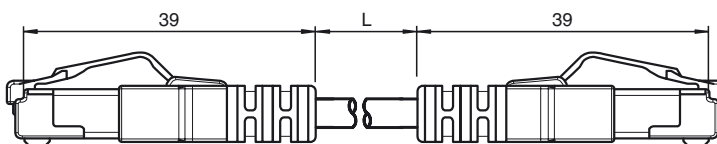
#### V45-G-C5-GN\*M-PUR-E1S-V45-G

Ethernet bus cable RJ45 to RJ45  
PROFINET-coded, 4-pin, PUR cable  
green, Cat5e, shielded

### Features

- Industrial Ethernet
- Conforms to PROFINET
- Suitable for drag chains
- Hard-wearing PUR cable
- CAT5/CAT5e cable
- Halogen-free
- Silicone-free
- Free from substances that impair paint wetting
- UL Recognized Component
- Cable length according to specification

### Dimensions



### Technical data

#### General specifications

Number of pins	4 + shield
Connection 1	Male connector
Construction type 1	straight
Threading 1	RJ45
Coding 1	PROFINET
Connection 2	Male connector
Construction type 2	straight
Threading 2	RJ45
Coding 2	PROFINET

#### Electrical specifications

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
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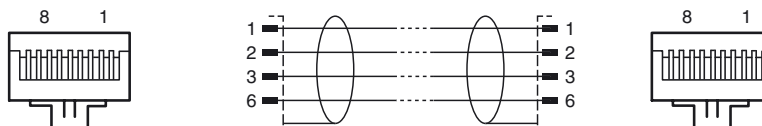
#### Ambient conditions

Ambient temperature	cable, fixed: -20 ... 70 °C (-4 ... 158 °F) cable, flexing: -20 ... 70 °C (-4 ... 158 °F)
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#### Mechanical specifications

Degree of protection	IP20	
Connection	Ethernet: RJ-45 , Category 5e , up to 100 MHz	
Material		
Body	PA, green	
Cable	PUR	
Core insulation	PP	
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5	
Sheath diameter	6 mm	
Bending radius	> 10 x cable diameter, moving > 8 x cable diameter, fixed	
Color	green (RAL 6018)	
Number of cores	4	
Core cross-section	0.34 mm <sup>2</sup> / 22 AWG	
Cores color	Core 1: yellow Core 2: orange Core 3: white Core 6: blue	
Conductor construction	7 x 0.254 mm Ø	
Shield	aluminum-lined polyester foil Tinned copper braiding	
Length	L	see type code V*-[length]M-*
Drag chain suitability		
Drag chain cycles	max. 1000000	
Motion velocity	≤ 3 m/s	
Traverse distance	5 m horizontal	
Acceleration	≤ 2 m/s <sup>2</sup>	
Flammability		
Contact carrier	V-0	

### Electrical connection



Housing	V-0
Cable	FT2
<b>Compliance with standards and directives</b>	
Standard conformity	
Degree of protection	EN 60529
Standards	CAT5 (IEC 11801:2002) , CAT5e (TIA 568B:2001)
Flammability	IEC 60332-1-2 UL 2556 FT2
Specification	connector RJ45 : IEC 60603-7
<b>Approvals and certificates</b>	
UL approval	AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)

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

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