

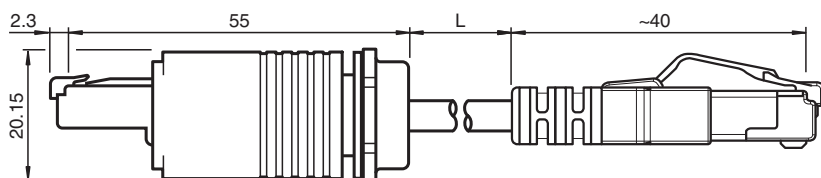
## Connection cable, Ethernet V45-GP-10M-PUR-ABG-V45-G

- Industrial-strength push pull EtherNet connector for field installations
- 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
- cURus approval
- Halogen-free

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

Connector 1			
Connection			plug
Construction type			RJ45
Style			straight
Locking			Push/pull
Number of pins			4
Coding			PROFINET
Connector 2			
Connection			plug
Construction type			RJ45
Style			straight
Locking			snap locking
Number of pins			8
Coding			PROFINET

#### Electrical specifications

Operating voltage	U <sub>B</sub>		max. 48 V AC / 60 V DC
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#### Conformity

Degree of protection			EN 60529
Transmission technology			Cat. 5 Class D up to 100 MHz
Plug connection			connector RJ45 : IEC 60603-7 , IEC 61076-3-106 V4
Component category			CAT5 (IEC 11801)
Flammability			IEC 60332-1-2 / UL 2556

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

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## Technical Data

### Approvals and certificates

UL approval	AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)
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### 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

#### Connector 1

Loosening protection	available
Mating cycles	min. 750
Shielding	via body
Degree of protection	IP67

#### Connector 2

Loosening protection	available
Mating cycles	min. 100
Shielding	shield connected to connector
Degree of protection	IP20

#### 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
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 <sup>2</sup> / 22 AWG
Cores 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	10 m
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#### Drag chain suitability

Drag chain cycles	max. 1000000
Motion velocity	max. 3 m/s
Traverse distance	max. 5 m
Acceleration	max. 2 m/s <sup>2</sup>

### Material

PWIS free	yes
Halogen-free	yes

#### Connector 1

Body	thermoplastic, black
Flammability	V-0

#### Connector 2

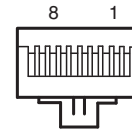
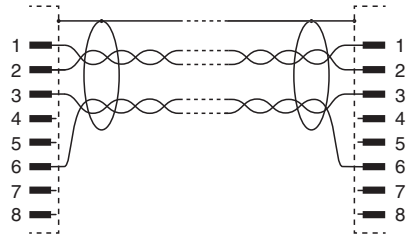
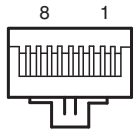
Body	PA, green
Flammability	V-0

#### Cable

Sheathing	PUR based on polyether
Core insulation	PP
Flammability	FT2

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## Connection



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