

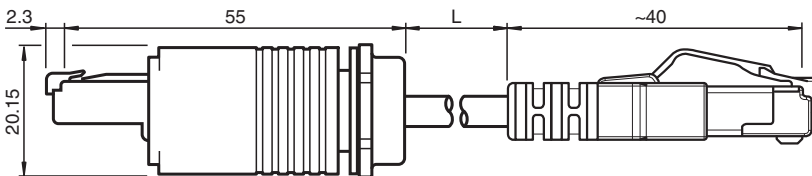
## Connection cable, Ethernet V45-GP-10M-PUR-ABG-V45-G

- 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
- Halogen-free

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 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		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 / ISO 6722-1 5.22 (UN ECE-R 118.01)

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## Technical Data

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		
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
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 complies with UN ECE-R 118.01

## Connection

