

Connection cable, Ethernet

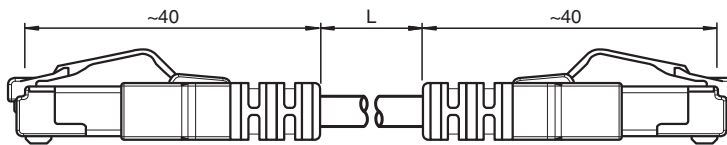
V45-G-C5-GN20M-PUR-E1S-V45-G

- 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		snap locking
Number of pins		8
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_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)

Release date: 2024-03-17 Date of issue: 2024-03-17 Filename: 70108180_eng.pdf

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

Plug connector	
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 ² / 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 20 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

