

## Connection cable, Ethernet

### V1D-G-GN0,3M-PUR-E1S-V1D-G-Y70

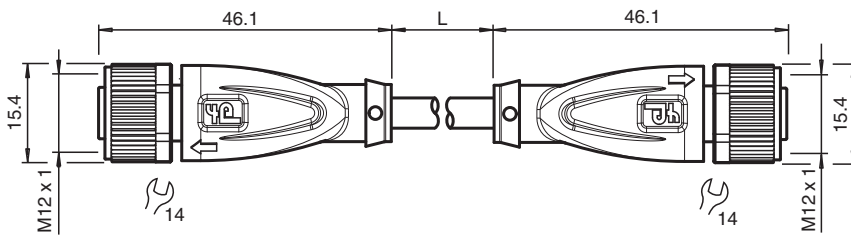


- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable M12 socket straight to M12 socket straight D-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable, UL approved



## Dimensions



## Technical Data

### General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
Connector 2		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
Electrical specifications		
Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 4 A
Conformity		
Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101

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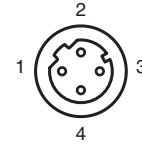
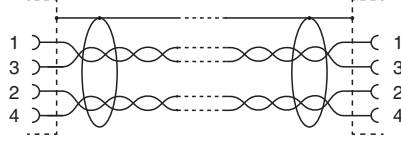
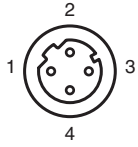
## Technical Data

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)	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)	
UL File Number	E231213	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed installation	-30 ... 70 °C (-22 ... 158 °F)	
Cable, flexing	-20 ... 70 °C (-4 ... 158 °F)	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.6 Nm	
Loosening protection	integrated	
Tool installation	straight knurling and hexagon nut SW = 14 mm	
Mating cycles	min. 100	
Shielding	shield connected to screw connection	
Connector 1		
Loosening protection		
Degree of protection	IP68 / IP69	
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5	
Sheath diameter	6 mm	
Bending radius	> 10 x cable diameter, movable installation > 8 x cable diameter, fixed installation	
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: white Core 3: orange Core 4: blue	
Core construction	7 x 0.254 mm Ø twisted quad	
Shield	aluminum-lined polyester foil Tinned copper braiding	
Length	L	max. 0.3 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>	
Mass	46 g	
<b>Material</b>		
PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	FKM	
Contact surface	Au	
Flammability	V-2	
Cable		
Sheathing	PUR based on polyether	
Cores	bare copper (Cu)	

### Technical Data

Core insulation	PP
Flammability	FT2 complies with UN ECE-R 118.01

### Connection



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