



Model Number

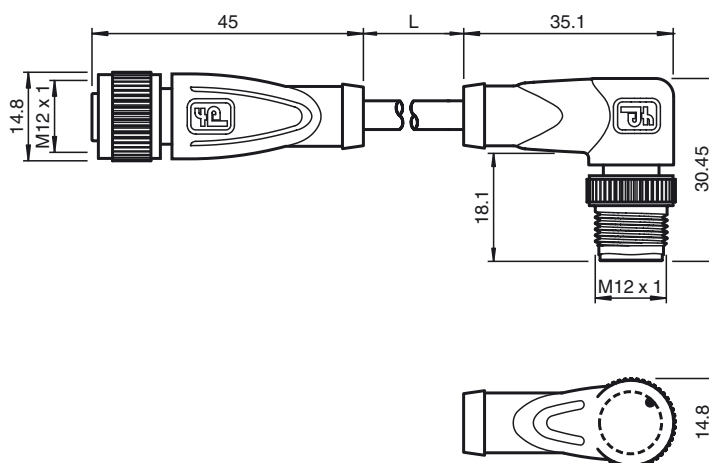
V1-G-BK3M-PUR-O1S-V1-W

Cordset, M12 to M12, PUR cable, 4-pin, shielded, outdoor

Features

- Suitable for drag chains
- Suitable for outdoor use (UV- and ozone resistant)
- Resistant to salt water
- Flame resistant cable
- Oil and abrasion resistant PUR line appropriate for drag chains
- Halogen-free
- Resistant to microbes and hydrolysis
- Free from substances that impair paint wetting
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Dimensions



Technical data

General specifications

Number of pins	4 + shield
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	Male connector
Construction type 2	right angle
Threading 2	M12

Electrical specifications

Operating voltage	U_B	max. 300 V AC
Test voltage		min. 3000 V AC
Operating current	I_B	max. 4 A
Lead resistance		Max. 39 Ω /km

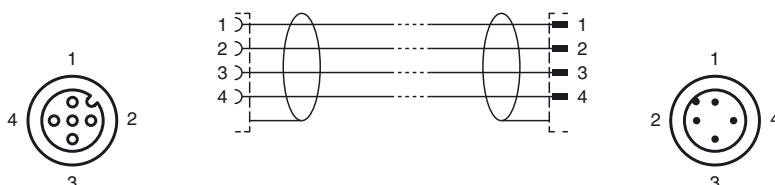
Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -50 ... 105 °C (-58 ... 221 °F) cable, flexing: -30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket	
Pin diameter	1 mm	
Degree of protection	IP67 / IP68 / IP69	
Cable code	(4 Li9Y 0.50 mm ²) V1-C-V1-11Y	
Material		
Contacts	CuSn / Au	
Contact surface	Au	
Body	TPU, black	
Cable	PUR	
Slotted nut	Diecast zinc	
Sleeve connector	Diecast zinc	
Core insulation	PP	
Cable	extra-fine wire, flexible	
Sheath diameter	Ø 6 mm ± 0.2 mm	
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Color	black (similar to RAL 7021)	
Number of cores	4	
Core cross-section	0.5 mm ²	
Conductor construction	28 x 0.15 mm Ø	
Shield	grid 85% coverage	
Length	L	3 m
Drag chain suitability		
Drag chain cycles	≥ 2000000	

Electrical connection





Motion velocity	≤ 3 m/s
Traverse distance	≤ 10 m
Acceleration	≤ 10 m/s ²
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 DIN EN 50267-2-1
Chemical resistance	DIN EN 60811-2-1:2002
Approvals and certificates	
UL approval	cURus AWM 21924/11558 105°C 300V FT2