



Model Number

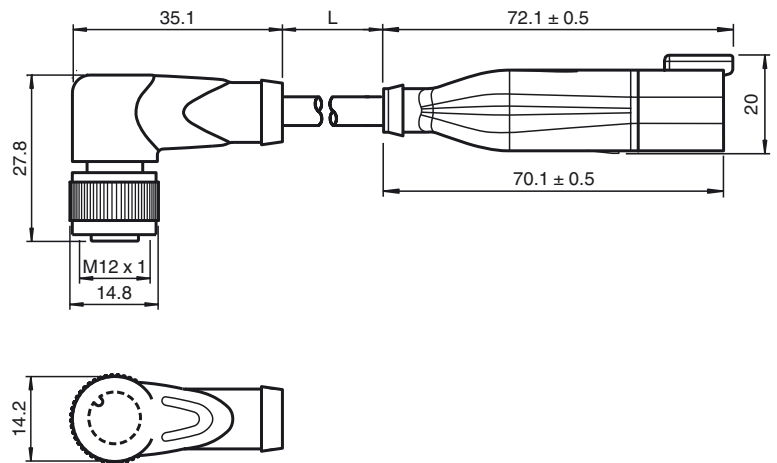
V11-W-BK0,3M-PUR-O1-DT4P-G-Y31

Connecting cable, M12 socket to Deutsch connector, 3-pin PUR cable, outdoor

Features

- Oil and abrasion resistant PUR line appropriate for drag chains
- Resistant to microbes and hydrolysis
- Resistant to salt water
- Suitable for outdoor use (UV- and ozone resistant)
- Halogen-free

Dimensions



Technical data

General specifications

Number of pins	3
Connection 1	socket
Construction type 1	right angle
Threading 1	M12
Connection 2	Male connector
Construction type 2	straight
Threading 2	Deutsch connectors

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A
Lead resistance		Max. 39 Ω /km

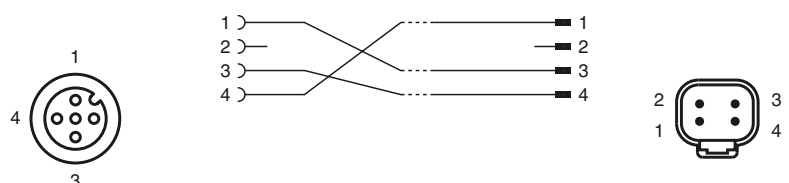
Ambient conditions

Ambient temperature	Body: -40 ... 105 °C (-40 ... 221 °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
Degree of protection	IP68
Cable code	(4 Li9Y 0,50 mm ²) 11Y
Material	
Contacts	Cu alloy / Au
Contact surface	Ni/Au
Body	PA, black TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing$ 4.5 mm $\pm$ 0.15 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 $\varnothing$ 1 x symmetrically twisted
Length	L 0.3 m
Drag chain suitability	
Drag chain cycles	$\geq$ 2000000
Motion velocity	$\leq$ 3 m/s
Traverse distance	$\leq$ 10 m
Acceleration	$\leq$ 10 m/s ²

Electrical connection





Flammability	
Contact carrier	V-2
Housing	V-0
Cable	cURus AWM 21924/11558 105°C 300V 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 IRM 902
Approvals and certificates	
UL approval	cURus AWM 21924/11558 105°C 300V FT2
Maximum permissible operating voltage ≤ 30 V	
Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)	