

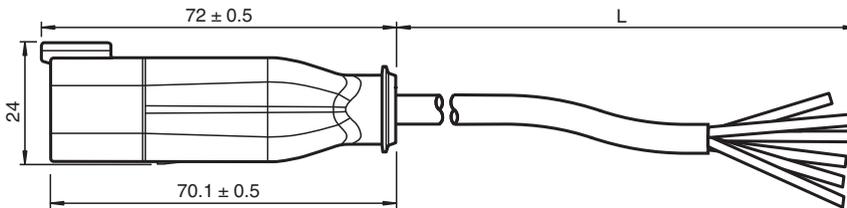
## Cable connector DT6P-G-BK6M-PUR-O1

- Hard-wearing PUR cable
- Degree of protection IP68
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- Oil resistant
- Snap locking

Female cordset single-ended Deutsch plug straight, 6-pin, PUR cable black, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	plug
Construction type	Deutsch connectors
Style	straight
Locking	snap locking
Number of pins	6
Connector 2	
Connection	cable end

#### Electrical specifications

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
Operating current	$I_B$	max. 8 A per contact

#### Conformity

Degree of protection	EN 60529
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 / IEC 60754-1
UV resistance	on the basis of DIN EN ISO 4892-2-A for 1000 hours
Oil resistance	DIN EN 60811-2-1

#### Ambient conditions

Ambient temperature	
Plug connector	-40 ... 125 °C (-40 ... 257 °F)
Cable, fixed installation	-40 ... 105 °C (-40 ... 221 °F)
Cable, flexing	-30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

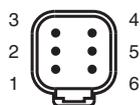
### Mechanical specifications

Plug connector		
Loosening protection		integrated
Degree of protection		IP68
Cable		
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 7021)
Number of cores		6
Core cross section		0.5 mm <sup>2</sup>
Cores color		Core 1: white Core 2: brown Core 3: blue Core 4: orange Core 5: green Core 6: black
Core construction		28 x 0.15 mm Ø 1 x symmetrically twisted
Length	L	6 m
Cable code		Li 9Y 11Y 6 x 0,50
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		max. 10 m
Acceleration		max. 10 m/s <sup>2</sup>

### Material

PWIS free		yes
Halogen-free		yes
Plug connector		
Body		PA, black
Contact surface		Ni
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Cores		bare copper (Cu)
Core insulation		PP
Salt water resistance		yes
UV resistance		yes
Chemical resistance		good
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

## Connection Assignment



1	—	WH
2	—	BN
3	—	BU
4	—	OG
5	—	GN
6	—	BK