

## Connection cable

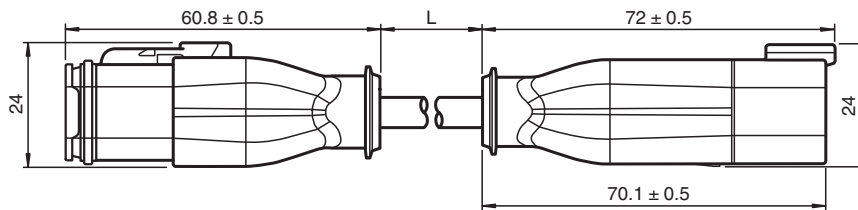
DT6S-G-BK5M-PUR-O2/CAN-DT6P-G

- Suitable for DeviceNet and CANopen
- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- Halogen-free
- Snap locking

DeviceNet/CANOpen bus cable Deutsch socket straight 6-pin to Deutsch plug straight 6-pin, PUR cable 4-core twisted pairs black, shielded, drag chain suitable, outdoor



## Dimensions



## Technical Data

### General specifications

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

### Electrical specifications

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

### Conformity

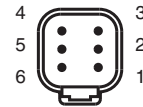
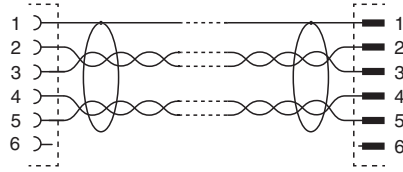
Degree of protection	EN 60529
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 / IEC 60754-1
Chemical resistance	DIN EN 60811-2-1
Microbial resistance	DIN EN 50525-2-21 / DIN VDE 0282-10

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## Technical Data

Hydrolysis resistance		DIN EN 50525-2-21
Oil resistance		DIN EN 60811-2-1
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 125 °C (-40 ... 257 °F)
Cable, fixed installation		-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Plug connector		
Loosening protection		available
Shielding		shield connected to pin 1
Degree of protection		IP68
Cable		
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, single bend
Sheath stripping force		max. 80 N / 500 mm
Sheath color		black (similar to RAL 9005)
Number of cores		4
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 2: red Core 3: black Core 4: white Core 5: blue
Core construction		19 x 0.15 mm Ø twisted pairs
Shield		tinned copper braiding, 85 % coverage
Length	L	5 m
Cable code		Li 9Y C11Y 2 x 2 x 0,34
Drag chain suitability		
Drag chain cycles		min. 3000000
Motion velocity		max. 2.5 m/s
Traverse distance		0.51 m
Acceleration		max. 12 m/s <sup>2</sup>
<b>Material</b>		
PWIS free		yes
Halogen-free		yes
Plug connector		
Body		PA, black
Contact surface		Ni
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Salt water resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

### Connection Assignment



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