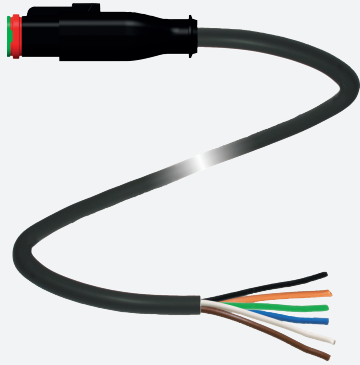




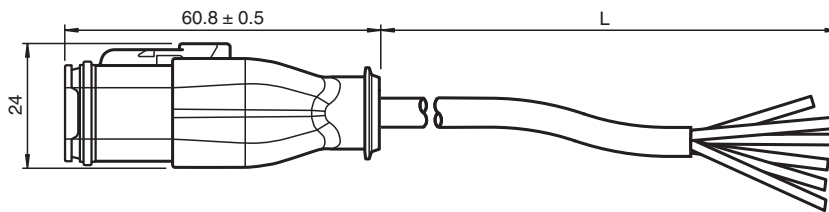
Female cordset DT6S-G-BK10M-PUR-O1

- 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 socket straight, 6-pin, PUR cable black, 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	cable end
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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)

Release date: 2025-11-28 Date of issue: 2025-11-28 Filename: 70167478_eng.pdf

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

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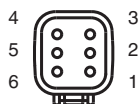
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PEPPERL+FUCHS

Technical Data

Pollution degree	3
Mechanical specifications	
Plug connector	
Loosening protection	integrated
Degree of protection	IP68
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
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 ²
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 10 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 ²
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