



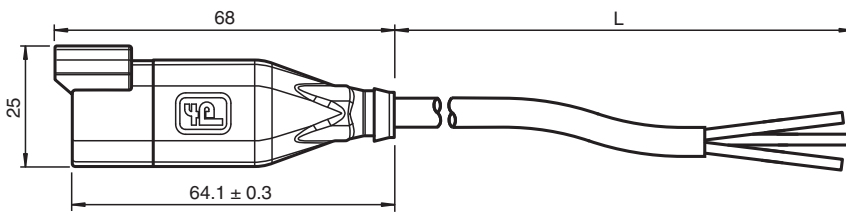
Cable connector DT3P-G-BK1,5M-PUR-O1

- 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

Male cordset single-ended Deutsch plug straight, 3-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	3

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 / DIN EN 50267-2-1
UV resistance	on the basis of DIN EN ISO 4892-2-A for 1000 hours
Oil resistance	DIN EN 60811-2-1

Ambient conditions

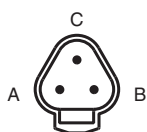
Ambient temperature	
Plug connector	-40 ... 125 °C (-40 ... 257 °F)
Cable, fixed installation	-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing	-30 ... 105 °C (-22 ... 221 °F)

Release date: 2025-04-01 Date of issue: 2025-04-01 Filename: 305283_eng.pdf

Technical Data

Pollution degree		3
Mechanical specifications		
Plug connector		
Loosening protection		available
Degree of protection		IP68
Cable		
Sheath diameter		4.5 mm
Bending radius		> 10 x cable diameter, movable installation > 8 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 7021)
Number of cores		3
Core cross section		0.5 mm ²
Cores color		Core A: brown Core B: blue Core C: black
Core construction		28 x 0.15 mm Ø 1 x symmetrically twisted
Length	L	1.5 m
Cable code		Li 9Y 11Y 3 x 0,50
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		10 m
Acceleration		max. 10 m/s ²
Mass		58.88 g
Material		
Halogen-free		yes
Plug connector		
Body		PA, black
Contact surface		Ni
Flammability		V-0
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
Cooling lubricant resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

Connection Assignment



A	—	BN
B	—	BU
C	—	BK