

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

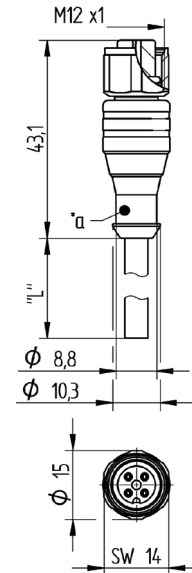
WRKT | WRKWT



3-, 4-, 5- and 8-Poles

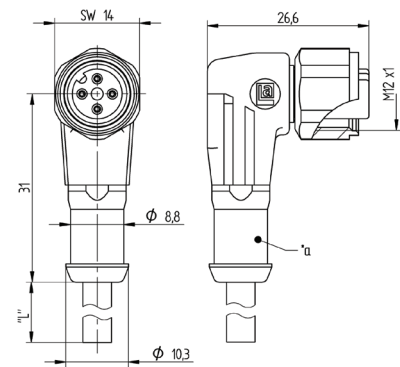
Actuator/sensor cord set, single ended, straight
M12 female connector and molded cable,
hexagon screw in stainless steel, 3, 4, 5 and
8 poles.
— especially designed for use in
wash-down applications —
Actuator/sensor cord set, single ended, right-

WRKT



angle M12 female connector and molded cable,
hexagon screw in stainless steel, 3, 4, 5 and
8 poles.
— especially designed for use in
wash-down applications —

WRKWT



Pin Assignments

M12 - Male

3 poles

3	4	1 = brown
2		2 = n.c.
	1	3 = blue
		4 = black

4 poles

3	4	1 = brown
2		2 = white
	1	3 = blue
		4 = black

5 poles

3	4	1 = brown
2		2 = white
	1	3 = blue
		4 = black
	5	5 = grey

8 poles

4	5	1 = white
3	6	2 = brown
2	7	3 = green
	8	4 = yellow
		5 = grey
		6 = pink
		7 = blue
		8 = red

Be Certain with Belden

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Technical Data

Environmental

Degree of protection (IEC 60529)	IP67 / IP68 / IP69K
Operating temperature range	-40°C (-40°F) / +105°C (+221°F)

Mechanical

Housing / Molded body	PP, white
Insert	PP, white
Contact	Cu-alloyed
Contact surface	Cu/Au
Hexagon screw	Stainless Steel (V4A)
O-ring	EPDM

Electrical data

Contact resistance	≤ 5 mΩ
Rated current	3 to 5 pole: 4 A 8 pole: 2 A
Rated voltage	3 and 4 pole: 250 V 5-pole: 60 V 8-pole: 30 V
Rated impulse voltage	3 and 4 pole: 2.5 kV 5 pole: 1.5 kV 8 pole: 0.8 kV
Insulation resistance	> 10 ⁹ Ω

Approvals

UL	pending, UL-file no. E315587
ECOLAB	UL-temperature range +65°C

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
520	TPE	3x0,25 mm ²	Orange	Ø 4,3 ± 0,2 mm
521	TPE	4x0,25 mm ²	Orange	Ø 4,7 ± 0,2 mm
522	TPE	5x0,25 mm ²	Orange	Ø 5,0 ± 0,2 mm
523	TPE	8x0,25 mm ²	Orange	Ø 6,2 ± 0,2 mm

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
WRKT 4-3-520/...M	WRKWT 4-3-520/...M	3	TPE	2 M 5 M 10 M 15 M 20 M 25 M	  
WRKT 4-521/...M	WRKWT 4-521/...M	4	TPE	2 M 5 M 10 M 15 M 20 M 25 M	  
WRKT 5-522/...M	WRKWT 5-522/...M	5	TPE	2 M 5 M 10 M 15 M 20 M 25 M	  
WRKT 8-523/...M	WRKWT 8-523/...M	8	TPE	2 M 5 M 10 M 15 M 20 M 25 M	  