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

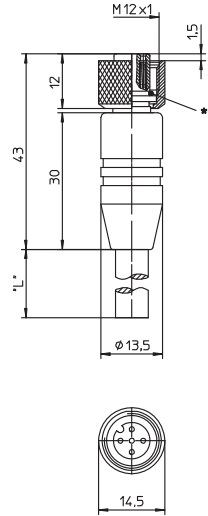**RKTS | RKWTH**
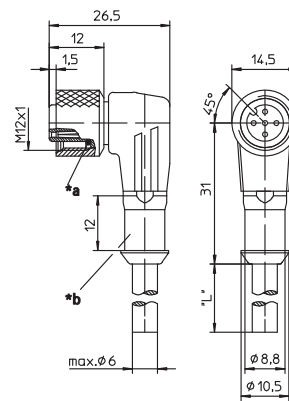
4-, 5-, and 8-Poles (Shielded)

Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, female straight connector, internal threads with threaded joint and molded cable, shielding connecting to knurled nut.

RKTS

M12×1
1,5
12
43
30
*a
"L"
⌀13,5
14,5

Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, female 90 °connector, internal threads with threaded joint and molded cable, shielding connecting to knurled nut.
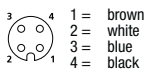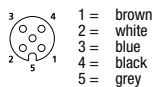
RKWTH

26,5
12
1,5
M12×1
*a
12
*b
14,5
45°
31
"L"
max.⌀6
⌀8,8
⌀10,5

Pin Assignments

M12 - Male

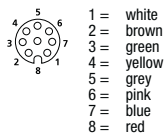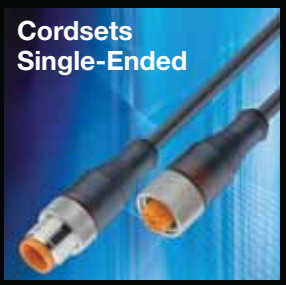| 4 poles	5 poles	8 poles
1 = brown	1 = brown	1 = white
2 = white	2 = white	2 = brown
3 = blue	3 = blue	3 = green
4 = black	4 = black	4 = yellow
	5 = grey	5 = grey
		6 = pink
		7 = blue
		8 = red

Be Certain with Belden

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

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-25°C (-13°F) / +80°C (+176°F)

Mechanical

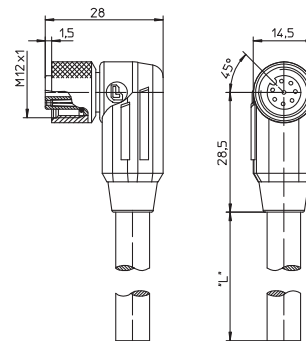|	
Housing / Molded body	TPU
Insert	TPU
Contact	CuSn, pre-nickeled and 0.8 microns gold-plated
Coupling nut	CuZn, nickel-plated
Shield sleeve	CuZn, nickel-plated
O-ring	FKM

Electrical

Contact resistance	$\leq 5\ m\Omega$
Nominal current at 40°C	4 A
Nominal voltage	4 poles 240 V
	5 poles 60 V
	8 poles 30 V
Rated voltage	3–4 poles 250 V
	5 poles 63 V
	8 poles 36 V
Test voltage	3–4 poles 2.0 kV eff. / 60 s
	5–8 poles 1.5 kV eff. / 60 s
Insulation resistance	$> 10^9\ \Omega$

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
182	**PVC**, shielded	**4** x 0.34 mm²	Orange	.217" (5.5 mm)
183	**PVC**, shielded	**5** x 0.34 mm²	Orange	.236" (6.0 mm)
184	**PVC**, shielded	**8** x 0.25 mm²	Orange	.260" (6.6 mm)
288	**PUR**, halogen-free, shielded	**4** x 0.34 mm²	Black	.217" (5.5 mm)
298	**PUR**, halogen-free, shielded	**5** x 0.34 mm²	Black	.236" (6.0 mm)
299	**PUR**, halogen-free, shielded	**8** x 0.25 mm²	Black	.260" (6.6 mm)

RKWTH (8-pole version)

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
Female Straight	**Female 90°**				
RKTS 4-182/...M	RKWTH 4-182/...M	**4**	PVC	2 M / 5 M / 10 M	
RKTS 4-288/...M	RKWTH 4-288/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKTS 5-183/...M		**5**	PVC	2 M / 5 M / 10 M	
RKTS 5-298/...M	RKWTH 5-298/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKTS 8-184/...M		**8**	PVC	2 M / 5 M / 10 M	
RKTS 8-299/...M	RKWTH 8-299/...M		PUR, halogen-free	2 M / 5 M / 10 M	