lumbergautomation
A BELDEN BRAND

M12-Round-Plug Connector, Single-Ended Cordsets

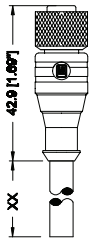
RKT | RKWT



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

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, Female straight connector with self-locking thread and molded cable.

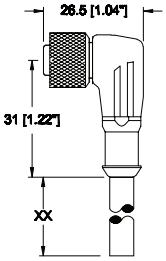
RKT





Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, female 90° connector with self-locking thread and molded cable.

RKWT



Pin Assignments

M12 - Female

3 poles



1 = brown
3 = blue
4 = black

4 poles



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

5 poles



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

8 poles



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

M12-Round-Plug Connector, Single-Ended Cordsets

Technical Data

Environmental

Degree of protection	IP68 / Nema 6P
Operating temperature range	-40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body	PUR, translucent gray
Insert	PUR, orange
Contact	CuZn, gold-plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM

Electrical

Current rating	3-5 poles 4A 8 poles 1.5A
Voltage rating	3-4 poles 250V 5-8 poles 30V

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
659	**PVC**	**22 AWG**	**Gray**	.190" (4.82 mm)
646	**PVC**	**22 AWG**	**Gray**	.190" (4.82 mm)
647	**PVC**	**22 AWG**	**Gray**	.212" (5.38 mm)
661	**PVC**	**24 AWG**	**Gray**	.232" (5.89 mm)

Part Number	Pins	Standard Cable Lengths	Characteristics
RKT 4-3-659/…M	**3**	1M / 2M / 4M / 5M / 6M / 15M / 10M / 20M	
RKT 4-646/…M	**4**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
RKT 5-647/…M	**5**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
RKT 8-661/…M	**8**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
RKWT 4-3-659/…M	**3**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
RKWT 4-646/…M	**4**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
RKWT 5-647/…M	**5**	1M / 2M / 4M / 5M / 6M / 10M / 15M / 20M	
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