

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

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 8-627 has black cable and overmold —

RKT



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

— RKWT 8-627 has black cable and overmold —

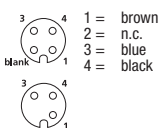
RKWT



Pin Assignments

M12 - Female

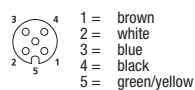
3 poles



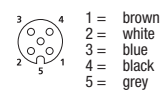
4 poles



5 poles (794)



5 poles (all others)



8 poles



Be Certain with Belden

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Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	PUR: -40°C (-40°F) / +80°C (176°F) PVC: -40°C (-40°F) / +90°C (194°F) TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body	PUR, yellow RKT/RKWT 8-627: PUR, black
Insert	PUR, Yellow RKT/RKWT 8-627/727: PUR, orange
Contacts	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM or Viton

Electrical

Current rating	4 A
RKT/RKWT 8-XXX:	1.5A

Voltage rating

RKT/RKWT 8-XXX:	250 V 30 V AC /36 V DC
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Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	PUR	18AWG	Yellow	.230" (5.8 mm)
Continuous flex rating and suitable for general C-track usage. 1 million cycles at minimum bend radius 10X cable diameter.				
610	PUR	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
627	PVC	24AWG	Black	.232" (5.9 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE/PLTC	18AWG	Yellow	.280" (7.1 mm)
643	TPE/PLTC	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
713	TPE/PLTC	22AWG	Yellow	.280" (7.1 mm)
727	TPE/PLTC	22AWG	Yellow	.335" (8.5 mm)
731	TPE/PLTC	18AWG	Yellow	.261" (6.6 mm)
794	TPE/PLTC	18AWG	Yellow	.304" (7.7 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-731/...M RKWT 4-3-731/...M	3	TPE/PLTC	2M / 5M / 10M	
RKT 4-3-632/...M RKWT 4-3-632/...M		PVC	2M / 5M / 10M	
RKT 4-3-645/...M RKWT 4-3-645/...M		PUR	2M / 5M / 10M	
RKT 4-3-610/...M RKWT 4-3-610/...M		PUR	2M / 5M / 10M	
RKT 4-637/...M RKWT 4-637/...M	4	TPE/PLTC	2M / 5M / 10M	
RKT 4-633/...M RKWT 4-633/...M		PVC	2M / 5M / 10M	
RKT 4-643/...M RKWT 4-643/...M		TPE/PLTC	2M / 5M / 10M	
RKT 4-602/...M RKWT 4-602/...M		PUR	1M / 2M / 5M / 10M	
RKT 4-679/...M RKWT 4-679/...M		PUR	2M / 5M / 10M	
RKT 5-612/...M RKWT 5-612/...M	5	PVC	2M / 5M / 10M	
RKT 5-644/...M RKWT 5-644/...M		PUR	2M / 5M / 10M	
RKT 5-713/...M RKWT 5-713/...M		TPE/PLTC	2M / 5M / 10M	
RKT 5-794/...M RKWT 5-794/...M		TPE/PLTC	2M / 5M / 10M	
RKT 8-627/...M RKWT 8-627/...M	8	PVC	2M / 5M / 10M	
RKT 8-727/...M RKWT 8-727/...M		TPE/PLTC	2M / 5M / 10M	