

M12-Round-Plug Connector, Single-Ended Cordsets

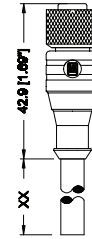
RKT | RKWT



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

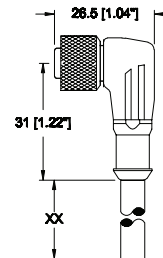
Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, Female straight connector with self-locking thread and molded cable.

RKT



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

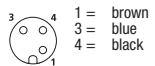
RKWT



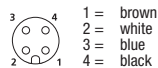
Pin Assignments

M12 - Female

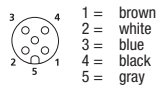
3 poles



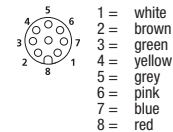
4 poles



5 poles



8 poles



Be Certain with Belden

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 | |
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