



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

RKT | RKWT

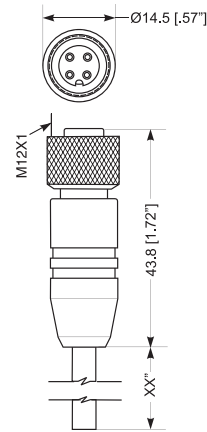


### 3-, 4-, 5-, and 8-Poles

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 —

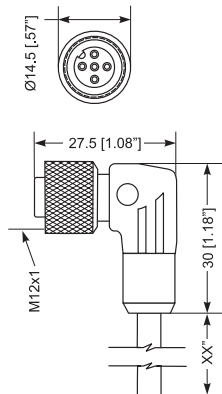
RKT



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 —

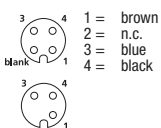
RKWT



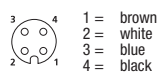
## Pin Assignments

### M12 - Female

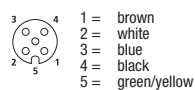
#### 3 poles



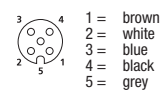
#### 4 poles



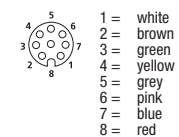
#### 5 poles (794)



#### 5 poles (all others)



#### 8 poles



# Be Certain with Belden

## M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RKT | RKWT

### Technical Data

#### Environmental

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

#### Mechanical

|                       |  |
|-----------------------|--|
| Housing / Molded body | PUR, yellow<br>RKT/RKWT 8-627: PUR, black      |
| Insert                | PUR, Yellow<br>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<br>30 V AC /36 V DC |
|-----------------|---------------------------|

### Cable Specifications

| Cable No.  | Outer Jacket    | Gauge | Jacket Color | OD             |
|--|-----------------|-------|--------------|----------------|
| <b>602</b>   | <b>PUR</b>      | 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. |                 |       |              |                |
| <b>610</b>   | <b>PUR</b>      | 22AWG | Yellow       | .190" (4.8 mm) |
| <b>612</b>   | <b>PVC</b>      | 22AWG | Yellow       | .210" (5.3 mm) |
| <b>627</b>   | <b>PVC</b>      | 24AWG | Black        | .232" (5.9 mm) |
| <b>632</b>   | <b>PVC</b>      | 22AWG | Yellow       | .190" (4.8 mm) |
| <b>633</b>   | <b>PVC</b>      | 22AWG | Yellow       | .190" (4.8 mm) |
| <b>637</b>   | <b>TPE/PLTC</b> | 18AWG | Yellow       | .280" (7.1 mm) |
| <b>643</b>   | <b>TPE/PLTC</b> | 22AWG | Yellow       | .246" (6.2 mm) |
| <b>644</b>   | <b>PUR</b>      | 22AWG | Yellow       | .210" (5.3 mm) |
| <b>645</b>   | <b>PUR</b>      | 18AWG | Yellow       | .220" (5.6 mm) |
| <b>679</b>   | <b>PUR</b>      | 22AWG | Yellow       | .190" (4.8 mm) |
| <b>713</b>   | <b>TPE/PLTC</b> | 22AWG | Yellow       | .280" (7.1 mm) |
| <b>727</b>   | <b>TPE/PLTC</b> | 22AWG | Yellow       | .335" (8.5 mm) |
| <b>731</b>   | <b>TPE/PLTC</b> | 18AWG | Yellow       | .261" (6.6 mm) |
| <b>794</b>   | <b>TPE/PLTC</b> | 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          |                 |