

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

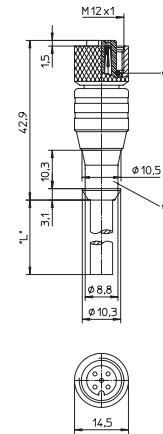
RKT | RKWT



3-, 4-, 5-, 8-, and 12-Poles

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with self-locking thread and molded cable.

RKT

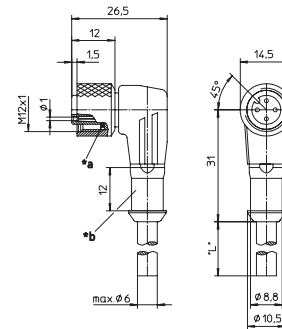


*a O-ring
* b Hose mounting



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with self-locking thread and molded cable.

RKWT

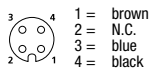


*a O-ring
* b Hose mounting

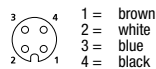
Pin Assignments

M12 - Male

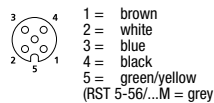
3 poles



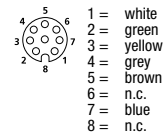
4 poles



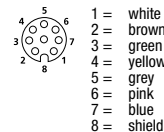
5 poles



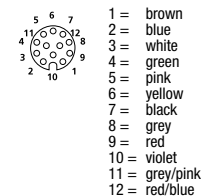
6 poles



8 poles



12 poles





Be Certain with Belden

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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 (12 poles: CuZn), pre-nickeled and 0.3 microns gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 3–5 poles 4 A, 6–12 poles 2 A
 Rated voltage 3–4 poles 250 V
 5 poles 63 V, 6–12 poles 36 V

Cable Specifications

| Cable No. | Outer Jacket | Conductor Size | Jacket Color | OD |
|-----------|--------------|--------------------------|--------------|----------------|
| 06 | PVC | 3 x 0.34 mm ² | Orange | .197" (5.0 mm) |
| 07 | PVC | 4 x 0.25 mm ² | Orange | .197" (5.0 mm) |

| Cable No. | Outer Jacket | Conductor Size | Jacket Color | OD |
|------------|--|---|--------------|----------------|
| 56 | PVC | 5 x 0.34 mm ² | Orange | .224" (5.7 mm) |
| 224 | PUR, halogen-free | 3 x 0.34 mm ² | Black | .169" (4.3 mm) |
| 225 | PUR, halogen-free | 4 x 0.34 mm ² | Black | .185" (4.7 mm) |
| 228 | PUR, halogen-free | 5 x 0.50 mm ² | Black | .213" (5.4 mm) |
| 251 | PUR, halogen-free welding spark proof | 4 x 0.34 mm ² | Orange | .185" (4.7 mm) |
| 259 | PUR, halogen-free welding spark proof | 5 x 0.50 mm ² | Orange | .217" (5.5 mm) |
| 260 | PUR, halogen-free welding spark proof | 3 x 0.34 mm ² | Orange | .177" (4.5 mm) |
| 268 | PUR, halogen-free welding spark proof | 6 x 0.34 mm ² | Orange | .236" (6.0 mm) |
| 282 | PUR, halogen-free | 7 x 0.25 mm ² | Black | .236" (6.0 mm) |
| 337 | PUR, halogen-free | 6 x 0.34 mm ² | Black | .236" (6.0 mm) |
| 348 | PUR, halogen-free | 2 x 0.25 mm ² 10 x 0.14 mm ² | Black | .236" (6.0 mm) |

| Part Number | | Pins | Outer Jacket | Standard Cable Lengths | Characteristics |
|------------------|-------------------|------|---|------------------------|-----------------|
| RKT 4-3-06/...M | RKWT 4-3-06/...M | 3 | PVC | 2 M / 5 M / 10 M | |
| RKT 4-3-224/...M | RKWT 4-3-224/...M | | PUR, halogen-free | 2 M / 5 M / 10 M | |
| RKT 4-3-260/...M | RKWT 4-3-260/...M | | PUR, halogen-free / welding spark proof | 2 M / 5 M / 10 M | |
| RKT 4-07/...M | RKWT 4-07/...M | 4 | PVC | 2 M / 5 M / 10 M | |
| RKT 4-225/...M | RKWT 4-225/...M | | PUR, halogen-free | 2 M / 5 M / 10 M | |
| RKT 4-251/...M | RKWT 4-251/...M | | PUR, halogen-free / welding spark proof | 2 M / 5 M / 10 M | |
| RKT 5-56/...M | RKWT 5-56/...M | 5 | PVC | 2 M / 5 M / 10 M | |
| RKT 5-228/...M | RKWT 5-228/...M | | PUR, halogen-free | 2 M / 5 M / 10 M | |
| RKT 5-259/...M | RKWT 5-259/...M | | PUR, halogen-free / welding spark proof | 2 M / 5 M / 10 M | |
| RKT 8-6-268/...M | RKWT 8-6-268/...M | 6 | PUR, halogen-free / welding spark proof | 2 M / 5 M / 10 M | |
| RKT 8-6-337/...M | RKWT 8-6-337/...M | | PUR, halogen-free / welding spark proof | 2 M / 5 M / 10 M | |
| RKT 8-282/...M | RKWT 8-282/...M | 8 | PUR, halogen-free | 2 M / 5 M / 10 M | |
| RKT 12-348/...M | RKWT 12-348/...M | 12 | PUR, halogen-free | 2 M / 5 M / 10 M | |

Cordsets
Single-Ended