

Product: [RKWT 4S-1028](#) 

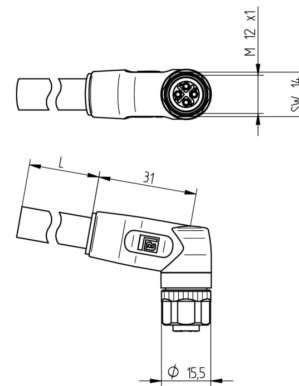
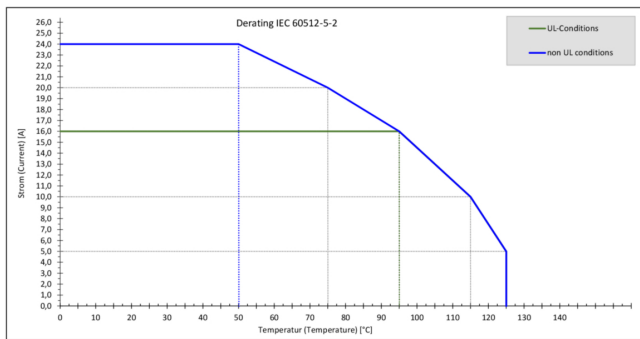


M12 Power Single-Ended Cordset: Female, angled, 4-pin(3+PE), S-coded, blue body, 600 V AC/DC, 20A; PUR black cable, ca. 2,5mm²

Product Description

M12 Power Single-Ended Cordset: Female, angled, 4-pin(3+PE), S-coded, blue body, 600 V AC/DC, 20A; PUR black cable, 2.5 mm²

Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | PE |
|---------|---------|---------|--------------|
| black 1 | black 2 | black 3 | green-yellow |

Technical Data

| | |
|---------------------------|-----------------------|
| Product Family: | Power Connector |
| Product Sub Family: | M12 Power |
| Brand: | Belden |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | female |
| Connector Design: | angled |
| Number of Pins: | 4 |
| Coding: | S |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 630 V |
| Rated Voltage (UL): | 600 V |
| Rated Impulse Voltage: | 6.0 kV |
| Operating Voltage: | 600 V AC/DC |
| Rated Current*: | 24 A |
| Rated Current (UL)*: | 20 A |

| | |
|-----------------------------------|---|
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | -40 °C to +125 °C, notice derating |
| Protection Degree / IP Rating**: | IP65, IP67, IP69K |
| Design Standard: | IEC 61076-2-111 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|-----------|
| Contact Base Material: | CuNi |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PBT GF |
| Contact Bearer Color: | black |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Molded Body Material: | TPE |
| Molded Body Color: | blue |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Cu/Ni |
| O-Ring Material: | FKM |

Additional Technical Data

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|-----------------------------------|---------------------------------|
| Fastening Torque (Contact Screw): | M 12x1: (60-65) Ncm, hand-tight |
|-----------------------------------|---------------------------------|

Cable Data

| | |
|---|---|
| Cable Number: | 1028 |
| Conductor Size: | 2.5 mm² |
| Conductor Resistance: | ≤ 8.2 Ω/km (at 20 °C) |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | > 4 x D |
| Minimal Bending Radius (Flexible Inst): | > 7.5 x D |
| Cycles (Bending): | > 10 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black |
| Cable Diameter D: | ø 8.6 ±0.20 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 2.55 mm |
| Overall Shield (Cable): | - |
| Ambient Temperature (Fixed Installation): | -40 °C to +90 °C (UL AWM 80°C) |
| Ambient Temperature (Flex Installation): | -30 °C to +90 °C (UL AWM 80°C) |
| Ambient Temperature (Fixed Installation short-term 100h): | -40 °C to +125 °C |
| Ambient Temperature (Drag Chain Inst): | -20 °C to +60 °C |
| UL Cable Type: | AWM: 20939 |
| Flammability Class (Cable Jacket): | VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1 |

Approvals

| | |
|----------|----------------|
| UL-File: | E497237 |
| UL: | UL 2237; cULus |
| VDE: | No |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

| | |
|--------------|--------------------|
| Halogenfree: | DIN VDE 0472 T.815 |
|--------------|--------------------|

| | |
|-----------------|---------------------------------------|
| Oil Resistance: | HD 22.10 Appendix A, DIN EN 60811-404 |
|-----------------|---------------------------------------|

Notes

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|-------------------------------------|--|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |

Variants

| Item # | Item Description |
|-----------|-------------------|
| 934850173 | RKWT 4S-1028/3 M |
| 934850174 | RKWT 4S-1028/5 M |
| 934850175 | RKWT 4S-1028/10 M |
| 934850176 | RKWT 4S-1028/15 M |

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