



Product: [RSWT 4L-RKWT 4L-1026](#)

M12 to M12 cordset, Industrial Power Applications, PUR black cable, unshielded, male to female, angled, L-coded, 4-Pin, 4x2.5 mm²

Product Description

M12 to M12 cordset, Industrial Power Applications, PUR black cable, unshielded, AWM: 20939, male to female, angled, L-coded, 4-Pin, 4x2.5 mm², ≤ 60 V AC/DC operating voltage, rated current 24 A (20 A UL pending), -40 °C ... 125 °C (operating temp.), suited for IP65, IP67, IP69K environment, IEC 60664-1 (2020-05), UL 2237; cULus

Technical Specifications

Face View Side 1

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | white | blue | black |

Face View Side 2

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | white | blue | black |

Product Description

| | |
|------------------------|-----------------------|
| Product Family: | Power Connector |
| Brand: | Belden |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| Rated Voltage: | 63 V |
| Rated Voltage (UL): | 63 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | ≤ 60 V AC/DC |
| Rated Current*: | 24 A |
| Rated Current (UL)*: | 16 A |

Technical Data Side 1

| | |
|-----------------------------------|------------------------------------|
| Product Sub Family: | M12 Power |
| Type of Contact / Gender: | male |
| Connector Design: | angled |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 4 |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | -40 °C ... 125 °C, notice derating |
| Protection Degree / IP Rating**: | IP65, IP67, IP69K |
| Design Standard: | IEC 61076-2-111 |
| Pollution Degree: | 3 acc. to IEC 60664-1 |
| Clearance / Creepage Distance: | IEC 60664-1 (2020-05) |
| Overvoltage Category: | III acc. to IEC 60664-1 |
| 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: | black |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Cu/Ni |
| O-Ring Material: | FKM |
| Fastening Torque (Contact Screw): | M 12x1: (60-65) Ncm, hand-tight |

Cable Data

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|---|---|
| Cable Number: | 1026 |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | > 4 x D |
| Minimal Bending Radius (Flexible Inst): | > 7.5 x D |
| Cycles (Bending): | > 10 Mio, max. 50 m/s² |
| Cycles (Torsion): | > 5 Mio @ ± 30 °/1 m |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black |
| Cable Diameter D: | ø 8.6 ±0,2 |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 2.55 mm |
| Ambient Temperature (Fixed Installation): | -30 °C ... 80 °C |
| Ambient Temperature (Flex Installation): | -40 °C ... 125 °C |
| Ambient Temperature (Fixed Installation short-term 100h): | -40 °C ... 80 °C |
| Ambient Temperature (Drag Chain Inst): | -20 °C ... 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 |

Technical Data Side 2

| | |
|--|------------------------------------|
| Product Sub Family, Side 2: | M12 Power |
| Type of Contact / Gender, Side 2: | female |
| Connector Design, Side 2: | angled |
| Attachment Type, Side 2: | Coupling Nut |
| Number of Pins, Side 2: | 4 |
| Coding, Side 2: | L |
| Contact Resistance, Side 2: | ≤ 10 mOhm |
| Insulation Resistance, Side 2: | > 10^9 Ohm |
| Mating Cycles, Side 2: | ≤ 100 |
| Ambient Temperature (Operation), Side 2*: | -40 °C ... 125 °C, notice derating |
| Protection Degree / IP Rating, Side 2**: | IP65, IP67, IP69K |
| Design Standard, Side 2: | IEC 61076-2-111 |
| Pollution Degree, Side 2: | 3 acc. to IEC 60664-1 |
| Clearance / Creepage Distance, Side 2: | IEC 60664-1 (2020-05) |
| Overvoltage Category, Side 2: | III acc. to IEC 60664-1 |
| Contact Base Material, Side 2: | CuNi |
| Contact Plating, Side 2: | Cu/Au |
| Contact Bearer Material, Side 2: | PBT GF |
| Contact Bearer Color, Side 2: | black |
| Flammability Class (Contact Bearer), Side 2: | UL 94 V-2 |
| Molded Body Material, Side 2: | TPE |
| Molded Body Color, Side 2: | black |
| Flammability Class (Molded Body), Side 2: | UL 94 HB |
| Attachment Material, Side 2: | CuZn |

| | |
|---|---------------------------------|
| Attachment Plating, Side 2: | Cu/Ni |
| O-Ring Material, Side 2: | FKM |
| Fastening Torque (Contact Screw), Side 2: | M 12x1: (60-65) Ncm, hand-tight |

Approvals

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|----------|----------------|
| UL-File: | E497237 |
| UL: | UL 2237; cULus |
| VDE: | - |

Safety & Environmental Compliance

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

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|-----------------|---------------------------------------|
| Halogenfree: | DIN VDE 0472 T.815, IEC 60754-1 |
| Oil Resistance: | HD 22.10 Appendix A, DIN EN 60811-404 |

Notes

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| Note Derating: | * Notice derating |
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