

Product: [RKMV 4-1006](#) 

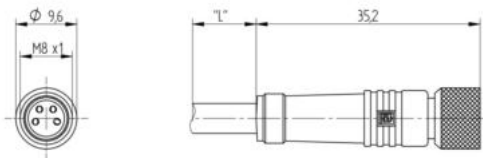


M8 pigtail, Automotive Line, female, 4-pin, A-coded, straight, PUR orange cable, unshielded, IP67

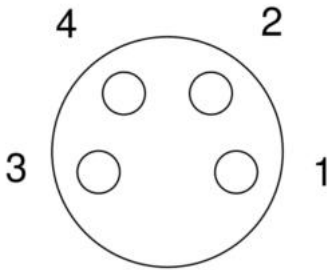
Product Description

M8 pigtail connector, Automation Line, high welding spark resistance, female, 4-pin, A-coded, straight, PUR orange cable (similar to RAL 2003), unshielded, AWM 20549, rated voltage 30 V AC/DC, rated current 4A, suited for IP67 environment

Technical Drawing



Female



Technical Specifications

Face View

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

Technical Data

| | |
|-----------------------------------|-----------------------------|
| Product Family: | Sensor / Actuator Connector |
| Product Sub Family: | Automotive |
| Brand: | Belden |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Female |
| Connector Design: | Straight |
| Number of Pins: | 4 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP67 |
| Design Standard: | IEC 61076-2-101 |

Materials

| | |
|--------------------------------------|----------|
| Contact Base Material: | CuSn |
| Contact Plating: | Cu/Au |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |

Additional Technical Data

| | |
|--------------------------------|---------------------------|
| Fastening Torque (Attachment): | M 8x1: 30 Ncm, hand-tight |
|--------------------------------|---------------------------|

Cable Data

| | |
|---|--|
| Cable Number: | 1006 |
| Conductor Size: | 0.34 mm² |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | 5 x D |
| Minimal Bending Radius (Flexible Inst): | 10 x D |
| Cycles (Bending): | 2 Mio. |
| Welding Resistance: | Welding spark resistant |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | orange (similar to RAL 2003) |
| Cable Diameter D: | ø 5.30 ± 0.15 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 1.25 ±0.05 mm |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | - 25 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT2 |
| Cable Characteristics: | flame retardant, halogen-free, drag chains |

Approvals

| | |
|-----|-------|
| UL: | cULus |
|-----|-------|

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Resistances

| | |
|--------------|--------------------------|
| Halogenfree: | Yes, acc. to IEC 60754-1 |
|--------------|--------------------------|

Notes

| | |
|----------------|-----------------|
| Note Derating: | Notice derating |
|----------------|-----------------|

Variants

| Item # | Item Description |
|--------|-------------------|
| 35075 | RKMV 4-1006/10 M |
| 35074 | RKMV 4-1006/5 M |
| 35073 | RKMV 4-1006/4,5 M |
| 35072 | RKMV 4-1006/4 M |
| 35071 | RKMV 4-1006/3,5 M |
| 35030 | RKMV 4-1006/3 M |
| 35029 | RKMV 4-1006/2,5 M |
| 35028 | RKMV 4-1006/2 M |
| 35027 | RKMV 4-1006/1,5 M |
| 35026 | RKMV 4-1006/1 M |
| 35025 | RKMV 4-1006/0,6 M |
| 35024 | RKMV 4-1006/0,3 M |

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