## Overview

### Product information



# PM-M12A-08P-MM-SL8D01-20030000742

Sensor/Actuator Cable,PUR,black,UL20549,Male plug,Straight M12,Coding A,Unshielded,Trimming cable end,Cable Cable length:1m,UL Certification

### Product advantages

☑Sealing optimization, protection level up to IP68
☑Meet the harsh environment
☑Suitable for various occasions connection technology
☑Compatible with the international and domestic same series products

### Product certification

## Technical data

### Product drawing

### 3D model

### Environmental conditions

| | |
|---|---|
| Ambient temperature | -25℃...80℃ |
| IP class | IP68 |

### General parameters

| | |
|---|---|
| Rated current | 2A |
| | 30V |
| Number of potentials | 8 |
| Insulation resistance | ≥ 100 MΩ |
| Error-proof coding | A-Code |

| | |
|---|---|
| Overvoltage level | II |
| Pollution level | 3 |
| Insertion and pullout cycle | ≥ 100 |
| Torque | 0.4 Nm |

Material

| | |
|---|---|
| Flammability rating ,in line with UL94 | V0 |
| Contact material | CuZn |
| Material contact surface | Au |
| Contact carrier material | PA |
| Fixture body material | TPU |
| Coil material | Zinc alloy, nickel plated |
| Sealing material | Silicon |

Standards and specifications

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|---|---|
| Standards/specifications | IEC 61076-2-101 |

Cable

| | |
|---|---|
| Cable type | PUR Black |
| Cable type(abbreviation) | PUR |
| UL AWM form | UL20549 |
| Cross section | 0.25mm² |
| AWG signal wire | 24AWG |
| Wire structure Signal wire | 7/0.20mm² |
| Core diameter (including insulation layer) | 1.10±0.05mm |
| Wire color | 1 White 2 Brown 3 Green 4 Yellow 5 Gray 6 Pink 7 Blue 8 Red |
| Thickness, insulation | 0.6mm |

| | |
|---|---|
| Cable outer diameter D | 5.5 ±0.2mm |
| Outer sheath, material | PU |
| Conductor insulation material | PE |
| Conductor material | Tinned copper |
| Insulation resistance | ≥100MΩ |
| Conductor resistance | Maximum 94.2Ω/km (at 20 °C) ) |
| Nominal cable voltage | 300V |
| Cable test voltage | 2000V |
| Flame retardant | Comply with UL 758/1581 FT2 standard |
| Oil resistance | No |

Dimension

| | |
|---|---|
| Cable length | 1m |

## Accessories

Accessories

| | |
|---|---|
| Sealing cap | CAP-M12-FP-8001 |

## Business data

| | |
|---|---|
| Order number | 20030000742 |
| Packing unit | / |
| Minimum order quantity | 100 |
| Products weight (without packaging) | / |