Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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# Bus system cable - SAC-5P-10,0-924/FS SCO - 1405987

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Bus system cable, CANopen®/DeviceNet™, 5-position, PVC, gray, shielded, Free cable end, on Socket straight M12-SPEEDCON, A-coded, Cable length: 10 m

## Key commercial data

| Packing unit | 1 PCE |
|---|---|
| GTIN | 4 046356 800419 |
| Custom tariff number | 85444290 |
| Country of origin | UNITED STATES |

## Technical data

### Dimensions

| Length of cable | 10 m |
|---|---|

### Ambient conditions

| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
|---|---|
| Degree of protection | IP65 |
| | IP67 |

### General

| Rated current at 40°C | 4 A |
|---|---|
| Rated voltage | 60 V |
| Number of positions | 5 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Surge voltage category | II |

# Bus system cable - SAC-5P-10,0-924/FS SCO - 1405987

## Technical data

### General

| | |
|---|---|
| Pollution degree | 3 |
| Torque | 0.4 Nm (M12 plug-in connector) |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | NBR |
| Status display | No |

### Line characteristics

| | |
|---|---|
| Cable type | CAN Bus/DeviceNet gray |
| Cable type (abbreviation) | 924 |
| UL AWM style | 2464 (80°C/300 V) |
| Cable structure | 2xAWG22 (Signal) + 2xAWG22 (Power) |
| AWG signal line | 22 |
| AWG power supply | 22 |
| Conductor structure signal line | 19x 0.15 mm |
| Conductor structure, voltage supply | 19x 0.15 mm |
| Core diameter including insulation | 1.27 mm ±0.05 mm (signal line) |
| | 2.24 mm ±0.13 mm (Power supply) |
| Wire colors | Red-black, blue-white |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Plastic-coated aluminum foil, aluminum side inside |
| Overall twist | 2 pairs around a drain wire in the center to the core |
| Shielding | Plastic-coated aluminum foil with a filler litz wire, aluminum side outside |
| External sheath, color | gray |
| External cable diameter D | 6.9 mm ±0.13 mm |
| Outer sheath, material | PVC |
| Material conductor insulation | Foamed PE (signal line) |
| | PVC (Power supply) |
| Conductor material | Bare Cu litz wires |
| Special properties | UL standards PLTC and ITC |
| Resistance to oil | Yes |
| Other resistance | UV resistant |
| Ambient temperature (operation) | -30 °C ... 75 °C (cable, fixed installation) |

# Bus system cable - SAC-5P-10,0-924/FS SCO - 1405987

## Classifications

### ETIM

| ETIM 3.0 | EC000830 |
|----------|----------|
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

### UNSPSC

| UNSPSC 11 | 26121604 |
|-----------|----------|
| UNSPSC 12.01 | 26121616 |
| UNSPSC 13.2 | 26121616 |
| UNSPSC 6.01 | 26121616 |
| UNSPSC 7.0901 | 26121616 |

### eCl@ss

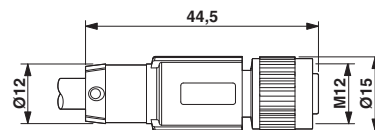| eCl@ss 4.0 | 27060307 |
|------------|----------|
| eCl@ss 4.1 | 27060307 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27060307 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

## Drawings

### Schematic diagram
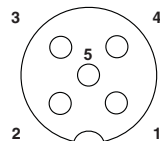


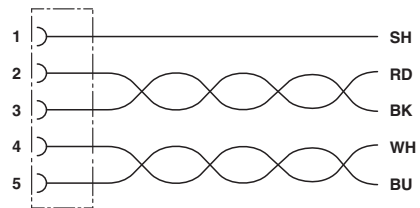Pin assignment M12 socket, 5-pos., A-coded, socket side view

### Dimensioned drawing



M12 x 1 socket, straight, shielded

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Circuit diagram



| 1 | SH |
| 2 | RD |
| 3 | BK |
| 4 | WH |
| 5 | BU |

Contact assignment of the M12 socket