


Sensor/actuator cable - SAC-5P-M12MS/ 3,0-927/M12FS VA - 1402948

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5-pos. cable, black PVC, shielded, shielded plug, straight M12, A-coded, on shielded socket, straight M12, A-coded with VA knurl, length: 3 m



Key Commercial Data

| | |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 046356 637664 |
| GTIN | 4046356637664 |

Technical data

General

| | |
|---------------------|---------|
| Rated voltage | 48 V AC |
| | 60 V DC |
| Number of positions | 5 |

Cable

| | |
|-------------------------------------|-----------------------------------------------------------------------------|
| Cable type | DeviceNet™ |
| Cable type (abbreviation) | 927 |
| UL AWM style | 2464 (80°C/300 V) |
| Conductor cross section | 2x 0.34 mm ² (Signal line) |
| | 2x 0.34 mm ² (Power supply) |
| | 1x 0.38 mm ² (Drain wire) |
| AWG signal line | 22 |
| AWG power supply | 22 |
| Conductor structure signal line | 44x 0.10 mm |
| Conductor structure, voltage supply | 44x 0.10 mm |
| Core diameter including insulation | 2.55 mm (Signal line) |
| | 1.37 mm (Power supply) |
| Thickness, insulation | ≥ 0.3 mm (Wire insulation power supply) |
| Wire colors | Red-black, blue-white |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | 2 pairs with filler elements, around a drain wire in the center to the core |

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Cable

| | |
|-----------------------------------------------|------------------------------------------|
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | black |
| Outer sheath thickness | ≥ 1 mm |
| External cable diameter D | 8.3 mm ±0,3 mm |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 8 x D |
| Cable weight | 83 kg/km |
| Outer sheath, material | PVC |
| Material conductor insulation | Foamed PP (Signal line) |
| | PVC (Power supply) |
| Conductor material | Tin-plated Cu litz wires |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≤ 56 Ω/km |
| Working capacitance | approx. 39.8 nF (Signal line, Core-Core) |
| | ≤ 4000 pF (Signal line, Core-Shield) |
| Wave impedance | 120 Ω ±12 Ω (f = 1 MHz) |
| Signal runtime | 4.46 ns/m |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage, cable | 2000 V (50 Hz, 1 min.) |
| Flame resistance | in acc. with UL 1581, section 1061 |
| Ambient temperature (operation) | -30 °C ... 80 °C |

Environmental Product Compliance

| | |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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