

SAC-8P-M12MS/10,0-940/M12MS

Order No.: 1543207



Bus system cable, ETHERNET, 8 pos., PUR halogen-free, blue, shielded, straight M12 plug on straight M12 plug, length: 10 m

Ethernet**Commercial data**

| | |
|--------------------------|--------------------|
| EAN | 4046356097369 |
| Pack | 1 Pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.531 KG |
| Catalog page information | Page 183 (PC-2007) |

Product notes

WEEE/RoHS-compliant since:
01/01/2008

**Technical data****General data**

| | |
|-----------------------|----------------------------|
| Nominal current I_N | 2 A |
| Nominal voltage U_N | 30 V |
| Number of positions | 8 |
| Volume resistance | $\leq 5 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |

| | |
|---------------------------------|---|
| Length of cable | 10 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (plug/socket) |
| | -40 °C ... 70 °C (cable, fixed installation) |
| | -10 °C ... 50 °C (cable, flexible installation) |

General characteristics

| | |
|------------------------------------|---|
| Coding | A - standard |
| Inflammability class acc. to UL 94 | HB |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP67/IP69K |
| 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 |

Conductor data

| | |
|---|--|
| Cable type | Ethernet |
| Cable abbreviation | Li-02YSC11Y |
| Conductor cross section | 14 mm ² |
| AWG signal line | 26 |
| Conductor structure, signal line | 7x 0.16 mm |
| Core diameter including insulation | 1 mm |
| External cable diameter | 6.70 mm |
| Wire colors | White-blue, white-orange, white-green, white-brown |
| External sheath, color | water blue RAL 5021 |
| Insulation resistance | ≥ 5 GΩ*km |
| Conductor resistance | ≤ 150 mΩ/m |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001) |
| Working capacitance | 42 pF |
| Wave impedance | 100 Ω ±5% (At 100 MHz) |
| Signal speed | 0.72 c |
| Signal runtime | 46 ns/m |

| | |
|---|---|
| Shield attenuation | 60 dB (Up to 1000 MHz) |
| Interference suppression | 90 dB (Up to 1000 MHz) |
| Nominal voltage, conductor | 125 V |
| Test voltage, conductor | 1000 V |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | 2 cores with 2 fillers to the core |
| Shielding | Braided shielding made of tin-plated copper wires |
| Optical shield covering | 65 % |
| Outer sheath, material | PUR |
| Material conductor insulation | Cell PE |
| Conductor material | Bare Cu litz wires |
| Cable weight | 44 kg/km |
| Smallest bending radius, fixed installation | Min. 33.5 mm |
| Smallest bending radius, movable installation | Min. 33.5 mm |

Certificates / Approvals

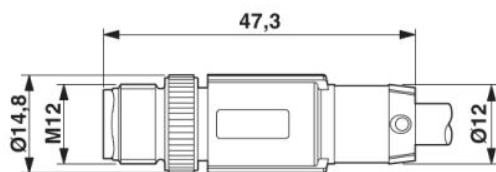


Certification

CUL Listed, UL Listed

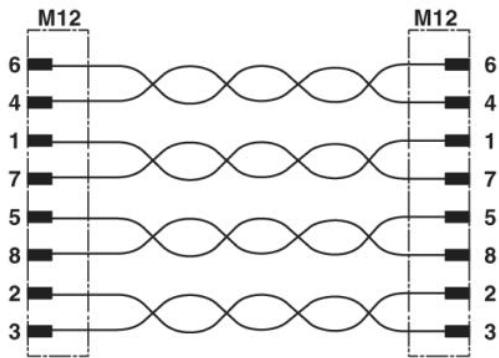
Drawings

Dimensioned drawing



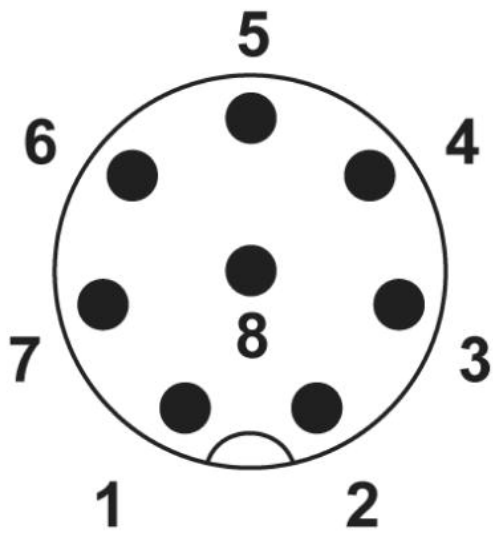
M12 x 1 male connector, straight, shielded

Circuit diagram

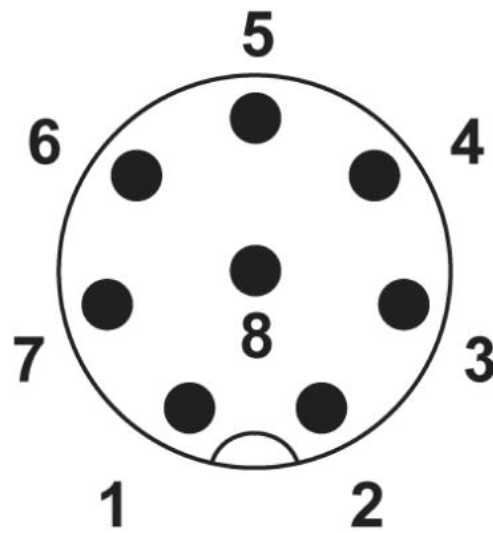


Contact assignment of the M12 plugs

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side



Pin assignment M12 plug, 8-pos., view plug side