

Bus system cable - SAC-4P-M12MSD/17,0-930/M12MSDX - 1560811

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Bus system cable, Ethernet CAT5 (100 Mbps), Ethernet CAT5e (100 Mbps), Ethernet, 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, D-coded, on Plug straight M12, D-coded, Cable length: 17 m, Crossover



Key commercial data

Packing unit	1 1
Minimum order quantity	25 1
Weight per Piece (excluding packing)	1088.9 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	17 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Signal type/category	Ethernet CAT5, 100 Mbps
	Ethernet CAT5e, 100 Mbps

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Technical data

General

Status display	No
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	Ethernet
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	7x 0.20 mm
Core diameter including insulation	1.4 mm
Wire colors	White-green, white-orange
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 galvanized copper wires
Optical shield covering	65 %
External sheath, color	water blue RAL 5021
External cable diameter	8.00 mm
Smallest bending radius, fixed installation	min. 40 mm
Smallest bending radius, movable installation	min. 40 mm
Cable weight	54 kg/km
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Insulation resistance	5 GΩ*km
Conductor resistance	84 mΩ/m
Working capacitance	42.5 pF
Wave impedance	100 Ω ±5 %

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Technical data

Cable

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, cable	125 V
Test voltage, cable	1000 V
Ambient temperature (operation)	-20 °C ... 70 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

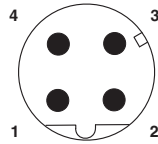
UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Drawings

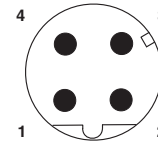
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Schematic diagram



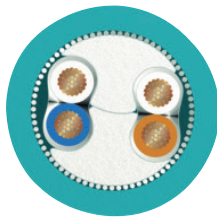
Pin assignment M12 male connector, 4-pos., D-coded, male side

Schematic diagram



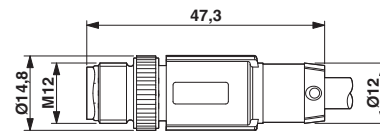
Pin assignment M12 male connector, 4-pos., D-coded, male side

Cable cross section



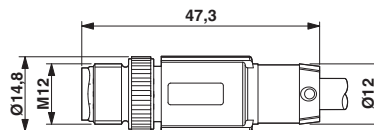
Ethernet [930]

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Dimensioned drawing



Plug, M12 x 1, straight, shielded