

# SAC-M12MS/ 7,0-94B/M12MS - Network cable



1405672

<https://www.phoenixcontact.com/us/products/1405672>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), M12 plug to M12 plug, line, length 5 m

## Commercial data

Item number	1405672
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF04
Product key	AF1CMI
GTIN	4046356752961
Weight per piece (including packing)	366.3 g
Weight per piece (excluding packing)	344.61 g
Customs tariff number	85444290
Country of origin	PL

# SAC-M12MS/ 7,0-94B/M12MS - Network cable



1405672

<https://www.phoenixcontact.com/us/products/1405672>

## Technical data

### Product properties

Product type	Data cable preassembled
Number of positions	8
No. of cable outlets	1
Shielded	yes

### Insulation characteristics

Degree of pollution	3
---------------------	---

### Electrical properties

Nominal voltage $U_N$	30 V AC
	30 V DC
Transmission medium	Copper

### Material specifications

Flammability rating according to UL 94	HB
--	----

### Connector

#### Connection 1

Type	Plug straight M12
------	-------------------


#### Connection 2

Type	Plug straight M12
------	-------------------

### Cable/line

Cable length	7 m
--------------	-----

### Ethernet flexible CAT5, 4-pair [94B]

Dimensional drawing	
UL AWM Style	21238 (80 °C / 600 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet flexible CAT5, 4-pair [94B]
Conductor structure	4x2xAWG26/7, SF/UTP
AWG signal line	26

# SAC-M12MS/ 7,0-94B/M12MS - Network cable



1405672

<https://www.phoenixcontact.com/us/products/1405672>

Conductor cross-section	4x 2x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	0.96 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	70 %
Insulation resistance	≥ 500 MΩ*km
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	26 mm
Smallest bending radius, movable installation	51 mm
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2 according to CSA C 22.2 No. 210-FT1
Resistance to oil	in accordance with EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (Cable, flexible installation)

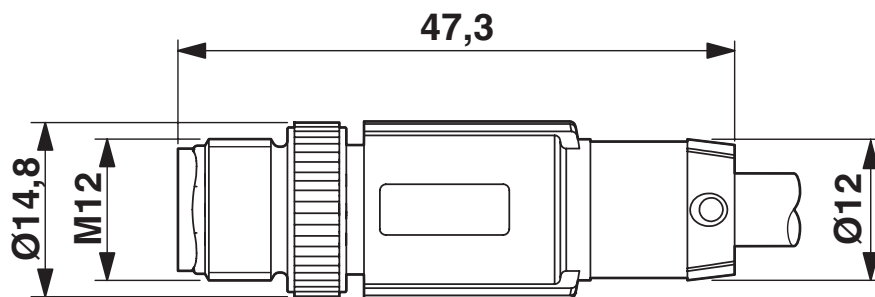
# SAC-M12MS/ 7,0-94B/M12MS - Network cable

1405672

<https://www.phoenixcontact.com/us/products/1405672>

## Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

# SAC-M12MS/ 7,0-94B/M12MS - Network cable



1405672

<https://www.phoenixcontact.com/us/products/1405672>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### ETIM

ETIM 10.0	EC001855
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# SAC-M12MS/ 7,0-94B/M12MS - Network cable



1405672

<https://www.phoenixcontact.com/us/products/1405672>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)