

NBC-MS/15,0-94B/FS - Bus system cable



1424745

<https://www.phoenixcontact.com/us/products/1424745>

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.



Bus system cable, 8-position, PUR halogen-free, water blue RAL 5021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 15 m

Commercial data

Item number	1424745
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF1CMI
GTIN	4055626378503
Weight per piece (including packing)	753.3 g
Weight per piece (excluding packing)	753.3 g
Country of origin	PL

1424745

<https://www.phoenixcontact.com/us/products/1424745>

Technical data

Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Signaling

Status display	no
Status display present	no

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	2 A

Material specifications

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

Connector

Connection 1

Type	Plug straight M12
Coding type	A (Standard)
Material	CuZn
	Ni/Au
	TPU GF
	TPU, hardly inflammable, self-extinguishing
	Zinc die-cast, nickel-plated
	NBR

Connection 2

Type	Socket straight M12
Coding type	A (Standard)
Material	CuZn
	Ni/Au
	TPU GF
	TPU, hardly inflammable, self-extinguishing

NBC-MS/15,0-94B/FS - Bus system cable



1424745


<https://www.phoenixcontact.com/us/products/1424745>

	Zinc die-cast, nickel-plated
	NBR

Cable/line

Cable length	15 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
Conductor cross-section	4x 2x 0.14 mm ²
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

NBC-MS/15,0-94B/FS - Bus system cable



1424745

<https://www.phoenixcontact.com/us/products/1424745>

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)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67/IP69K
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (Cable, flexible installation)

Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Dimensional drawing



M12 x 1 socket, straight, shielded

1424745

<https://www.phoenixcontact.com/us/products/1424745>

Schematic diagram



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

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

NBC-MS/15,0-94B/FS - Bus system cable




1424745

<https://www.phoenixcontact.com/us/products/1424745>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424745>

 UL Listed Approval ID: FILE E 335024				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	-	-

NBC-MS/15,0-94B/FS - Bus system cable



1424745

<https://www.phoenixcontact.com/us/products/1424745>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

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

UNSPSC

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

NBC-MS/15,0-94B/FS - Bus system cable



1424745

<https://www.phoenixcontact.com/us/products/1424745>

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