

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

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.



Network cable, Ethernet CAT6<sub>A</sub> (10 Gbps), CC-Link IE CAT6<sub>A</sub> (10 Gbps), 8-position halogen-free, shielded (Advanced Shielding Technology), Plug straight M12, coding: X / IP67, on Plug straight M12, coding: X / IP67, cable length: 5 m

## Commercial Data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1407485             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales Key                            | BF04                |
| Product Key                          | BF1CMJ              |
| Catalog Page                         | Page 403 (C-2-2019) |
| GTIN                                 | 4046356777643       |
| Weight per Piece (including packing) | 270.2 g             |
| Weight per Piece (excluding packing) | 221.7 g             |
| Customs tariff number                | 85444290            |
| Country of origin                    | PL                  |

## Technical Data

### Notes

|         |   |
|---------|---|
| General | Further products with variable cable type and variable cable length can be found in the accessories section |
|---------|---|

### Product properties

|                      |                         |
|----------------------|-------------------------|
| Product type         | Data cable preassembled |
| Sensor type          | Ethernet                |
| Number of positions  | 8                       |
| Application          | Standard                |
| No. of cable outlets | 1                       |
| Shielded             | yes                     |
| Coding               | X                       |

### Interfaces

|                      |  |
|----------------------|--|
| Bus system           | Ethernet   |
| Signal type/category | Ethernet CAT6 <sub>A</sub> , 10 Gbps<br>CC-Link IE CAT6 <sub>A</sub> , 10 Gbps |

### Signaling

|                        |    |
|------------------------|----|
| Status display         | No |
| Status display present | No |

### Electrical properties

|   |                   |
|---|-------------------|
| Nominal voltage $U_N$                   | 48 V AC           |
|   | 60 V DC           |
| Nominal current $I_N$                   | 0.5 A             |
| Transmission medium                     | Copper            |
| Transmission characteristics (category) | CAT6 <sub>A</sub> |

### Material specifications

|                   |       |
|-------------------|-------|
| Color Handle area | black |
|-------------------|-------|

### Connector

#### Connection 1

|                     |  |
|---------------------|--|
| Type                | Plug straight M12 / IP67   |
| Number of positions | 8  |
| Coding type         | X (Data)   |
| Handle color        | black  |
| Material            | CuZn (Contact)<br>Ni/Au (Contact surface)<br>PA (Contact carriers)<br>TPU, hardly inflammable, self-extinguishing (Grip) |

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

|                                 |   |
|---------------------------------|---|
|                                 | Zinc die-cast, nickel-plated (Screw connection) |
| Insertion/withdrawal cycles     | ≥ 100   |
| Contact resistance              | ≤ 5 mΩ  |
| Insulation resistance           | ≥ 100 MΩ  |
| Tightening torque               | 0.4 Nm  |
| Degree of protection            | IP67  |
| Ambient temperature (operation) | -25 °C ... 90 °C                                |
| Number of positions             | 8   |
| Insertion/withdrawal cycles     | 100   |


## Connection 2

|                                 |   |
|---------------------------------|---|
| Type                            | Plug straight M12 / IP67  |
| Number of positions             | 8   |
| Coding type                     | X (Data)  |
| Handle color                    | black   |
| Material                        | CuZn (Contact)<br>Ni/Au (Contact surface)<br>PA (Contact carriers)<br>TPU, hardly inflammable, self-extinguishing (Grip)<br>Zinc die-cast, nickel-plated (Screw connection) |
| Insertion/withdrawal cycles     | ≥ 100   |
| Contact resistance              | ≤ 5 mΩ  |
| Insulation resistance           | ≥ 100 MΩ  |
| Tightening torque               | 0.4 Nm  |
| Ambient temperature (operation) | -25 °C ... 90 °C  |
| Number of positions             | 8   |
| Degree of protection            | IP67  |

## Cable/line

|              |     |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

## Ethernet 10 Gbit [94F]

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Cable weight        | 42 kg/km   |
| UL AWM Style        | 20963 (80°C/30 V)  |
| Number of positions | 8  |
| Shielded            | yes  |
| Cable type          | Ethernet 10 Gbit [94F]   |

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

|   |  |
|---|--|
| Conductor structure                           | 4x2xAWG26/7; S/FTP   |
| Signal runtime                                | 5.13 ns/m  |
| Conductor structure signal line               | 7x 0.16 mm   |
| AWG signal line                               | 26   |
| Conductor cross section                       | 4x 2x 0.14 mm <sup>2</sup>   |
| Wire diameter incl. insulation                | 1.04 mm  |
| External cable diameter                       | 6.4 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 |
| Thickness, outer sheath                       | 0.65 mm  |
| Twisted pairs                                 | 2 cores to the pair  |
| Type of pair shielding                        | Aluminum-lined foil  |
| 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)  |
| Cable capacity                                | 47 nF/km   |
| Nominal voltage, cable                        | ≤ 100 V  |
| Test voltage Core/Core                        | 700 V (50 Hz, 1 min.)  |
| Test voltage Core/Shield                      | 700 V (50 Hz, 1 min.)  |
| Minimum bending radius, fixed installation    | 4 x D  |
| Minimum bending radius, flexible installation | 8 x D  |
| Tensile strength                              | ≤ 100 N  |
| Near end crosstalk attenuation (NEXT)         | 75.3 dB (with 1 MHz)   |
|   | 66.3 dB (at 4 MHz)   |
|   | 61.8 dB (at 8 MHz)   |
|   | 60.3 dB (at 10 MHz)  |
|   | 57.2 dB (at 16 MHz)  |
|   | 55.8 dB (at 20 MHz)  |
|   | 54.3 dB (at 25 MHz)  |
|   | 52.8 dB (at 31.25 MHz)   |
|   | 48.4 dB (at 62.5 MHz)  |
|   | 45.3 dB (at 100 MHz)   |
|   | 40.8 dB (at 200 MHz)   |
|   | 39.3 dB (at 250 MHz)   |
|   | 38.1 dB (at 300 MHz)   |
|   | 36.3 dB (at 400 MHz)   |
|   | 34.8 dB (at 500 MHz)   |
|   | 72.3 dB (with 1 MHz)   |

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

|  |                        |
|--|------------------------|
| Power-summated near end crosstalk attenuation (PSNEXT) | 63.3 dB (at 4 MHz)     |
|  | 58.8 dB (at 8 MHz)     |
|  | 57.3 dB (at 10 MHz)    |
|  | 54.2 dB (at 16 MHz)    |
|  | 52.8 dB (at 20 MHz)    |
|  | 51.3 dB (at 25 MHz)    |
|  | 49.9 dB (at 31.25 MHz) |
|  | 45.4 dB (at 62.5 MHz)  |
|  | 42.3 dB (at 100 MHz)   |
|  | 37.8 dB (at 200 MHz)   |
|  | 36.3 dB (at 250 MHz)   |
|  | 35.1 dB (at 300 MHz)   |
|  | 33.3 dB (at 400 MHz)   |
| 31.8 dB (at 500 MHz)                                   |                        |
| Return loss (RL)                                       | 20 dB (with 1 MHz)     |
|  | 23 dB (at 4 MHz)       |
|  | 24.5 dB (at 8 MHz)     |
|  | 25 dB (at 10 MHz)      |
|  | 25 dB (at 16 MHz)      |
|  | 25 dB (at 20 MHz)      |
|  | 24.2 dB (at 25 MHz)    |
|  | 23.3 dB (at 31.25 MHz) |
|  | 20.7 dB (at 62.5 MHz)  |
|  | 19 dB (at 100 MHz)     |
|  | 16.4 dB (at 200 MHz)   |
|  | 15.6 dB (at 250 MHz)   |
|  | 15.6 dB (at 300 MHz)   |
| 15.6 dB (at 400 MHz)                                   |                        |
| 15.6 dB (at 500 MHz)                                   |                        |
| Shield attenuation                                     | 3.1 dB (with 1 MHz)    |
|  | 5.7 dB (at 4 MHz)      |
|  | 8 dB (at 8 MHz)        |
|  | 8.9 dB (at 10 MHz)     |
|  | 11.2 dB (at 16 MHz)    |
|  | 12.6 dB (at 20 MHz)    |
|  | 14.1 dB (at 25 MHz)    |
|  | 15.8 dB (at 31.25 MHz) |
|  | 22.5 dB (at 62.5 MHz)  |
|  | 28.7 dB (at 100 MHz)   |
|  | 41.4 dB (at 200 MHz)   |
|  | 46.6 dB (at 250 MHz)   |
|  | 51.4 dB (at 300 MHz)   |
| 60.1 dB (at 400 MHz)                                   |                        |
| 67.9 dB (at 500 MHz)                                   |                        |

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

|                                    |   |
|------------------------------------|---|
|                                    | ≥ 80 dB (at 30 ... 100 MHz)   |
| Halogen-free                       | according to IEC 60754-1  |
| Flame resistance                   | according to IEC 60332-1-2  |
| Resistance to oil                  | in accordance with DIN EN 60811-2-1   |
| Ambient temperature (operation)    | -40 °C ... 80 °C (cable, fixed installation)<br>-20 °C ... 80 °C (Cable, flexible installation) |
| Ambient temperature (installation) | -20 °C ... 80 °C  |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Degree of protection            | IP65<br>IP67<br>IP65/IP67        |
| Ambient temperature (operation) | -25 °C ... 90 °C (M12 connector) |

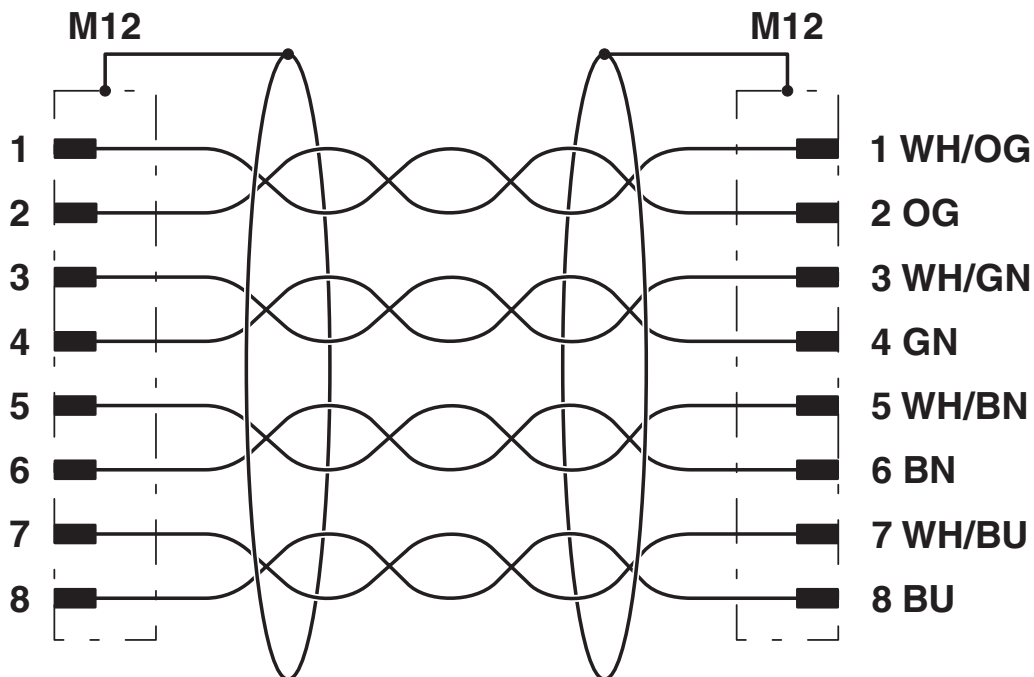
## Standards and regulations

### M12

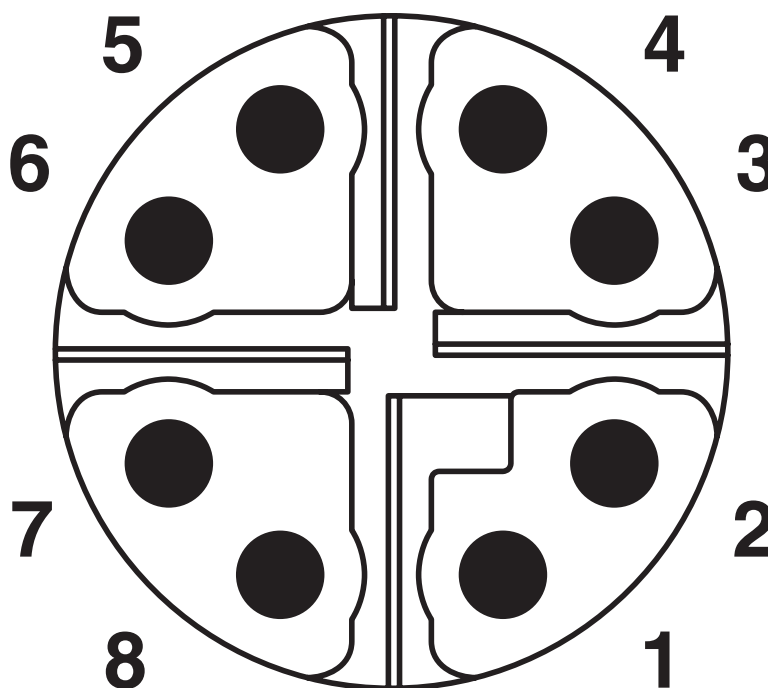
|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-109 |

Drawings

Circuit diagram



Schematic diagram



Pin assignment of M12 plug, 8-pos., X-coded, pin side view

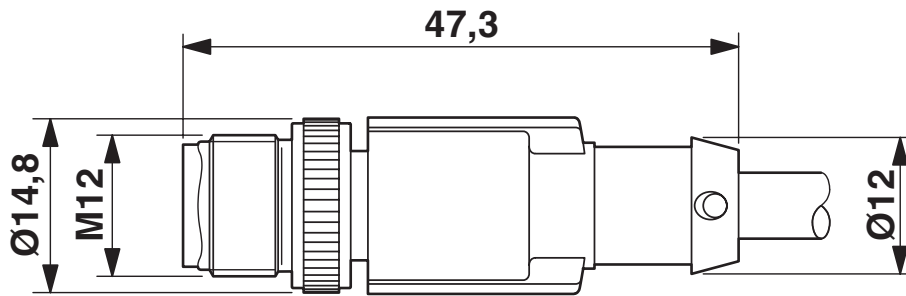
# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

Dimensional drawing



M12 SPEEDCON plug, straight, shielded



# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable





1407485


<https://www.phoenixcontact.com/us/products/1407485>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1407485>

|  |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Listed</b><br>Approval ID: FILE E 335024 | Nominal Voltage $U_N$ | Nominal Current $I_N$ | Cross Section AWG | Cross Section $\text{mm}^2$ |
|  | 30 V                  | 0.5 A                 | -                 | -                           |

|   |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Listed</b><br>Approval ID: FILE E 335024 | Nominal Voltage $U_N$ | Nominal Current $I_N$ | Cross Section AWG | Cross Section $\text{mm}^2$ |
|   | 30 V                  | 0.5 A                 | -                 | -                           |

|   |
|---|
|  <b>EAC-RoHS</b><br>Approval ID: RU D-DE.HB35.B.00387 |
|---|

|                     |
|---------------------|
| <b>cULus Listed</b> |
|---------------------|

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27060307 |
| ECLASS-12.0 | 27060307 |
| ECLASS-13.0 | 27060307 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001855 |
|----------|----------|

### UNSPSC

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

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## Environmental Product Compliance

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

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## Accessories

### NBC-M12MSX-M12MSX-10G/.../... - Network cable

1408644

<https://www.phoenixcontact.com/us/products/1408644>



Network cable, Ethernet CAT6<sub>A</sub> (10 Gbps), CC-Link IE CAT6<sub>A</sub> (10 Gbps), 8-position, Variable cable type, shielded (Advanced Shielding Technology), Plug straight M12, coding: X / IP67, on Plug straight M12, coding: X / IP67, cable length: Free input (0.2 ... 40.0 m)

---

### TSD 04 SAC - Torque screwdriver

1208429

<https://www.phoenixcontact.com/us/products/1208429>



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable

1407485

<https://www.phoenixcontact.com/us/products/1407485>



## TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/us/products/1212224>



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

---

## TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

<https://www.phoenixcontact.com/us/products/1212600>



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## SAC BIT M12-D15 - Tool

1208432

<https://www.phoenixcontact.com/us/products/1208432>



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

---

## PROT-M12 FS-PA-CHAIN - Sealing cap

1430873

<https://www.phoenixcontact.com/us/products/1430873>



M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs

## NBC-M12MSX/ 5,0-94F/M12MSX - Network cable

1407485

<https://www.phoenixcontact.com/us/products/1407485>



## SAC-M12-EXCLIP-M - Locking clip

1558988

<https://www.phoenixcontact.com/us/products/1558988>



Locking clip for the pin side of sensor/actuator cables with M12 connector and M12 connectors for assembly, for knurl diameter: 15 mm or for Allen key with a wrench size of 14 mm, prevents the disconnection of plug-in connections without tools

---

## CUTFOX 12 - Cable-cutting tool

1212128

<https://www.phoenixcontact.com/us/products/1212128>



**Cable cutter**, for copper and aluminum up to 12 mm diameter (up to 35 mm<sup>2</sup>)

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## CUTFOX-S VDE - Diagonal cutter

1212207

<https://www.phoenixcontact.com/us/products/1212207>



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

---

## VS-CABLE-STRIP-VARIO - Stripping tool

1657407

<https://www.phoenixcontact.com/us/products/1657407>

Stripping tool, for the multi-level stripping of shielded cables





# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## MICROFOX-SP-1 - Diagonal cutter

1212487

<https://www.phoenixcontact.com/us/products/1212487>



Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

---

## WIREFOX 4 - Stripping tool

1212156

<https://www.phoenixcontact.com/us/products/1212156>



Stripping tool, for cables and conductors (especially for rubber and silicone insulations) from 0.1 - 4 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## WIREFOX-E 4 - Stripping tool

1212704

<https://www.phoenixcontact.com/us/products/1212704>



Stripping tool, for cables and conductors (especially for rubber and silicone insulations) from 0.1 - 4 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

---

## WIREFOX 10 - Stripping tool

1212150

<https://www.phoenixcontact.com/us/products/1212150>



Stripping tool, for cables and conductors from 0.02 - 10 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## WP-CTA POM 13,0 BK - Protective hose adapter

1422884

<https://www.phoenixcontact.com/us/products/1422884>



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

---

## WP-PA HF 13,0 BK - Protective hose

3240681

<https://www.phoenixcontact.com/us/products/3240681>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inner diameter: 10 mm, Total length: 50 m

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## WP-PA HF-HB 13,0 BK - Protective hose

3240839

<https://www.phoenixcontact.com/us/products/3240839>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

---

## SACC-M12MSX-8QO SH ETH - Data connector

1411043

<https://www.phoenixcontact.com/us/products/1411043>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, halogen-free, shielded, Plug straight M12, X, Insulation displacement connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5 mm ... 9.7 mm

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## SACC-M12FSX-8QO SH ETH - Data connector

1414586

<https://www.phoenixcontact.com/us/products/1414586>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, halogen-free, shielded, Socket straight M12, X, Insulation displacement connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5 mm ... 9.7 mm

---

## SACC-CC-8QO SH ETH - Conductor connectors

1414412

<https://www.phoenixcontact.com/us/products/1414412>



Cable connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-pos., halogen-free, shielded, insulation displacement connection, housing material: zinc die-cast, nickel-plated, outer cable diameter of 5 mm ... 9.7 mm

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## VS-08-M12MS-10G-P SCO - Data connector

1417430

<https://www.phoenixcontact.com/us/products/1417430>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, shielded, Plug straight M12 SPEEDCON, X, Piercecon<sup>®</sup> fast connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

---

## VS-08-M12MR-10G-P SCO - Data connector

1417443

<https://www.phoenixcontact.com/us/products/1417443>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, shielded, Plug angled M12 SPEEDCON, X, Piercecon<sup>®</sup> fast connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## SACC-M12MSX-8CT-CL SH - Data connector

1422844

<https://www.phoenixcontact.com/us/products/1422844>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), PROFINET CAT6<sub>A</sub> (10 Gbps), 8-position, shielded, Plug straight M12, X, Crimp connection, knurl material: Zinc die-cast, tin-plated, external cable diameter 6.5 mm ... 10 mm, without crimp contacts

---

## SACC-M12MRX-8CT-CL SH - Data connector

1422845

<https://www.phoenixcontact.com/us/products/1422845>



Data connector, Ethernet CAT6<sub>A</sub> (10 Gbps), PROFINET CAT6<sub>A</sub> (10 Gbps), 8-position, shielded, Plug angled M12, X, Crimp connection, knurl material: Zinc die-cast, tin-plated, external cable diameter 6.5 mm ... 10 mm, without crimp contacts

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## VS-08-RJ45-10G/Q - RJ45 connector

1419001

<https://www.phoenixcontact.com/us/products/1419001>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: black, Ethernet

---

## CUC-IND-C1ZNI-S/R4IE8 - RJ45 connector

1421607

<https://www.phoenixcontact.com/us/products/1421607>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet



# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## CUC-IND-C1ZNI-T/R4IE8 - RJ45 connector

1421877

<https://www.phoenixcontact.com/us/products/1421877>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

---

## CUC-IND-C1ZNI-B/R4IE8 - RJ45 connector

1421876

<https://www.phoenixcontact.com/us/products/1421876>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable



1407485

<https://www.phoenixcontact.com/us/products/1407485>

## CUC-V06-C1PGY-S/R4CEA:1 - RJ45 connector

1414406

<https://www.phoenixcontact.com/us/products/1414406>



RJ45 connector, design: RJ45, degree of protection: IP67, number of positions: 2, 10 Gbps, CAT6<sub>A</sub>, material: Plastic, connection method: Crimp connection, connection cross section: AWG 24- 27, cable outlet: straight, color: gray, Ethernet/PROFINET

---

## CUC-V06-C1PBK-S/R4CEA:1 - RJ45 connector

1414410

<https://www.phoenixcontact.com/us/products/1414410>



RJ45 connector, design: RJ45, degree of protection: IP67, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Plastic, connection method: Crimp connection, connection cross section: AWG 24- 27, cable outlet: straight, color: black, Ethernet/PROFINET

# NBC-M12MSX/ 5,0-94F/M12MSX - Network cable

1407485

<https://www.phoenixcontact.com/us/products/1407485>



## VS-PPC-C1-RJ45-POBK-8I10G - RJ45 connector

1422205

<https://www.phoenixcontact.com/us/products/1422205>



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Plastic, connection method: Crimp connection, connection cross section: AWG 27- 24, cable outlet: straight, color: black, Ethernet

---

Phoenix Contact 2023 © - 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)