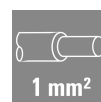


**FBC PA M12 M 5M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, One end without connector, M12, Number of poles: 2, 5 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1785120500</a>                                                                                                                   |
| Type       | FBC PA M12 M 5M                                                                                                                              |
| GTIN (EAN) | 4032248194919                                                                                                                                |
| Qty.       | 1 items                                                                                                                                      |

## FBC PA M12 M 5M

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Net weight 405 g

## Environmental Product Compliance

|                                      |                                                |
|--------------------------------------|------------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                       |
| RoHS Exemption (if applicable/known) | 6c                                             |
| REACH SVHC                           | Lead 7439-92-1, Imidazolidine-2-thione 96-45-7 |
| SCIP                                 | be 1e0a9b-b3 1e-4729-85aa-0ec2ffffea4          |

## Technical specifications for cable

|                                  |                    |                               |                    |
|----------------------------------|--------------------|-------------------------------|--------------------|
| Cable length                     | 5 m                | Sheathing colour              | black              |
| Suitable for cable carriers      | No                 | Core cross-section            | 1 mm <sup>2</sup>  |
| Shielded                         | Yes                | Halogen                       | Yes                |
| Insulation                       | PE                 | Bending radius, min., moving  | 8 x cable diameter |
| Bending radius, min., stationary | 8 x cable diameter | Sheath material               | PVC                |
| Configurable cable length        | No                 | Hybrid cable                  | No                 |
| Irradiation crosslinked          | No                 | Welding spark resistance      | No                 |
| Colour coding                    | red, green         | Temperature range, stationary | -30...80 °C        |
| Resistant to welding beads       | No                 | Temperature range, moving     | -5...60 °C         |
| Number of poles                  | 2                  | Outside diameter              | 8 mm ± 0.4 mm      |

## General technical data

|                              |               |                        |                      |
|------------------------------|---------------|------------------------|----------------------|
| Coding                       | A-coded       | Connection thread      | M12                  |
| Contact surface              | Gold-plated   | LED                    | No                   |
| Version                      | pin, straight | Housing main material  | PUR                  |
| Insulation resistance        | 108 Ω         | Contact material       | Ni/Au                |
| Nominal voltage              | 100 V         | Protection degree      | IP67                 |
| Plugging cycles              | ≥ 100         | Pollution severity     | 3                    |
| jumpered                     | No            | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -25...+80 °C  | Tightening torque      | M12: 0.8 - 1.2 Nm    |

## Electrical properties

|                       |       |                 |       |
|-----------------------|-------|-----------------|-------|
| Insulation resistance | 108 Ω | Nominal voltage | 100 V |
|-----------------------|-------|-----------------|-------|

## Plug, left

Plug left M12, A-coded, IP67, male contact, straight, Plastic, shielded

## Plug, right

Plug right free conductor end

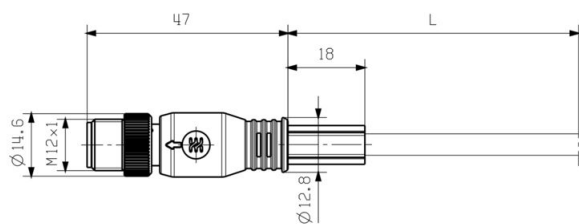
## Technical data

### Classifications

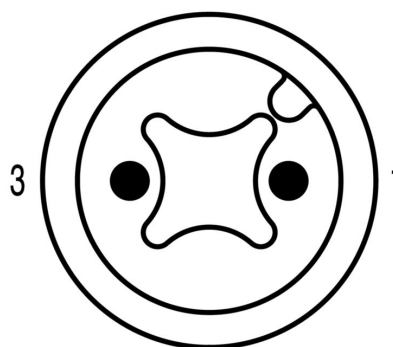
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

## Drawings

### Pole scheme



Male, straight



Pin

### Wiring diagram

### The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

