

FBC PA M12 MA 2M

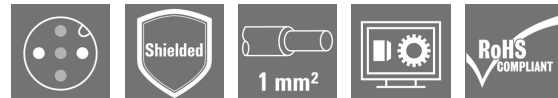
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 2 m, pin, 90°, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No. | 1076540200 |
| Type | FBC PA M12 MA 2M |
| GTIN (EAN) | 4032248834235 |
| Qty. | 1 pc(s). |

Creation date March 22, 2021 11:04:32 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight 164 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

| | | |
|-------------------------------------|--------------------|--------|
| Bending radius, min., moving | 8 x cable diameter | |
| Bending radius, min., stationary | 8 x cable diameter | |
| Cable length | 2 m | |
| Colour coding | red, green | |
| Configurable cable length | No | |
| Core cross-section | 1 mm ² | |
| Halogen | Yes | |
| Housing main material | PUR | |
| Hybrid cable | No | |
| Insulation | PE | |
| Irradiation crosslinked | No | |
| Number of poles | 2 | |
| Number of poles | 2 | |
| Outer diameter | 8.0 ± 0.4 mm | |
| Outside diameter | Diameter | 8 mm |
| | Signs | ± |
| | Tolerance | 0.4 mm |
| Outside diameter | 8 mm ± 0.4 mm | |
| Resistant to welding beads | No | |
| Sheath material | PVC | |
| Sheathing colour | black | |
| Shielded | Yes | |
| Suitable for cable carriers | No | |
| Temperature range, moving | -5...60 °C | |
| Temperature range, moving, max. | 60 °C | |
| Temperature range, moving, min. | -5 °C | |
| Temperature range, stationary | -30...80 °C | |
| Temperature range, stationary, max. | 80 °C | |
| Temperature range, stationary, min. | -30 °C | |

General technical data

| | | | |
|------------------------------|-------------------|------------------------|----------------------|
| Coding | A | Connection thread | M12 |
| Contact surface | Gold-plated | Housing main material | PUR |
| Insulation strength | 10 ⁸ Ω | LED | No |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Protection degree | IP67 | Rated voltage | 100 V |
| Temperature range of housing | -25...+80 °C | Threaded ring material | Brass, nickel-plated |
| Tightening torque | M12: 0.8 - 1.2 Nm | Version | pin, 90° |
| jumpered | No | | |

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 100 V

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Technical data**Cable structure**

| | | | |
|------------------|------------|------------|----|
| Colour coding | red, green | Insulation | PE |
| Sheathing colour | black | | |

Electrical properties of cable

| | |
|---------------------|-------------------|
| Insulation strength | 10 ⁸ Ω |
|---------------------|-------------------|

Mechanical and material properties of cable

| | |
|---------|-----|
| Halogen | Yes |
|---------|-----|

Plug, right

| | | | |
|-----------------|-------------|-----------------------|-----|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plugging cycles | ≥ 100 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ECLASS 9.0 | 27-06-03-08 | ECLASS 9.1 | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|------------------|------------------------------|
| Engineering Data | STEP |
| Engineering Data | EPLAN, WSCAD |

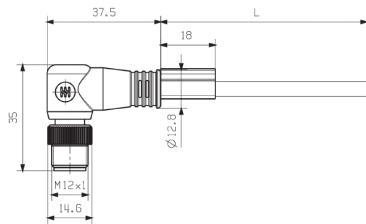
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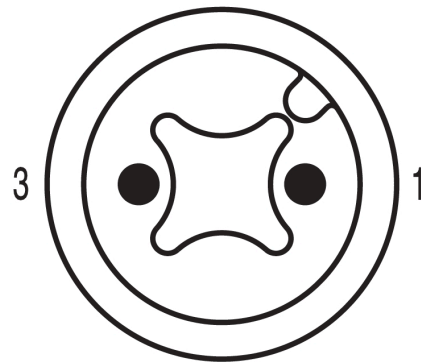
Drawings

Dimensioned drawing



Male, angled

Pole scheme



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