**M12 female recept. B-cod. rear**

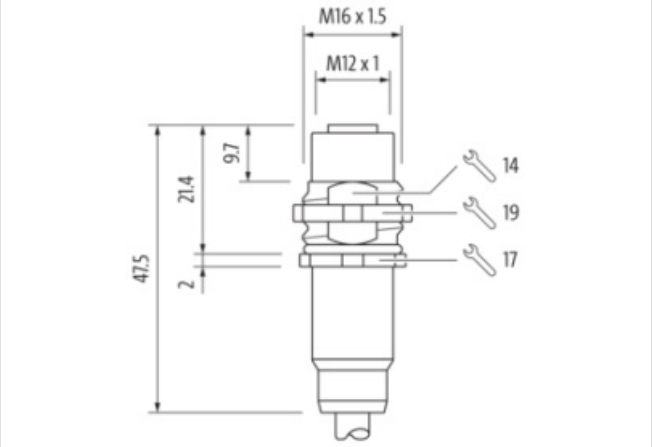
PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 0.3m

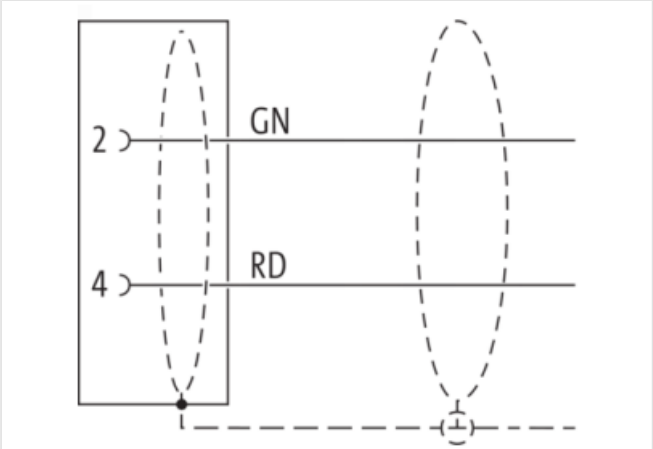
Art.No.: 7000-14171-8410030
Weight: 0.05
Country of origin: DE
Model designation: MSBBFH-F841_0.3

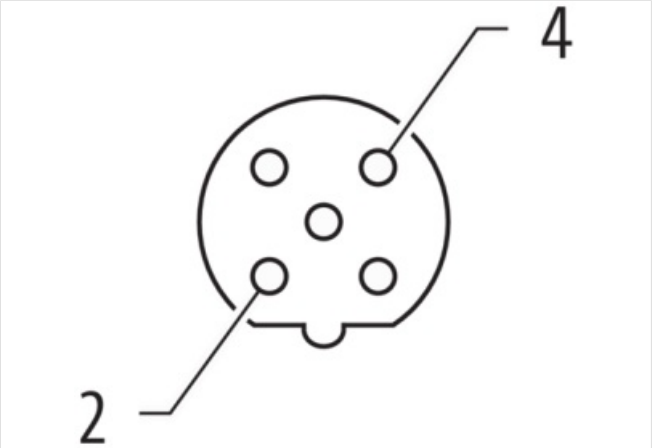
Flange female
M12, 2-pole
B-coded
shielded
Rear mounting
Further cable lengths on request.
The resistance to aggressive media should be individually tested for your application. Further details on request.

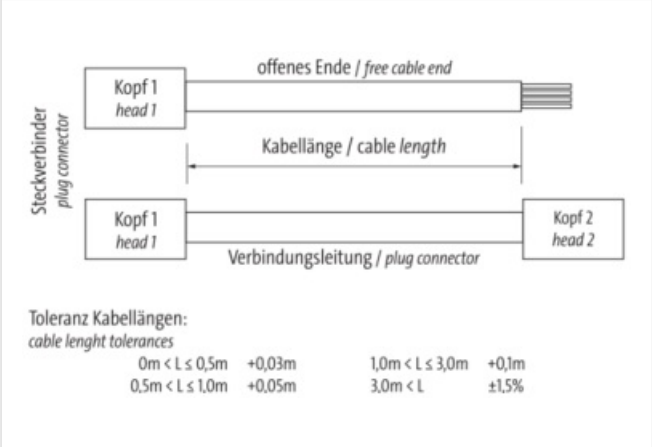
## Link to Product

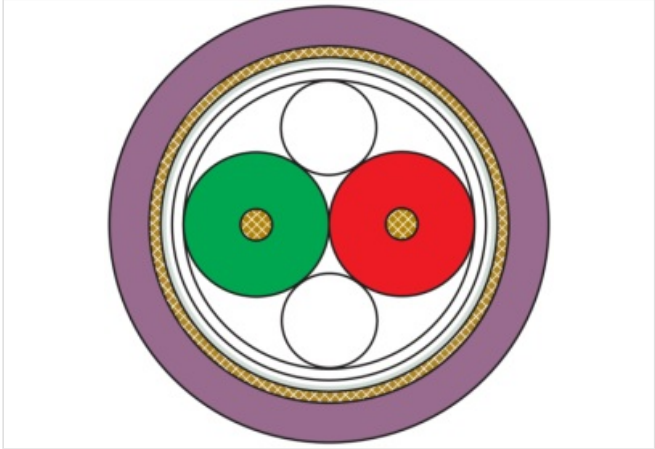
**Illustration**

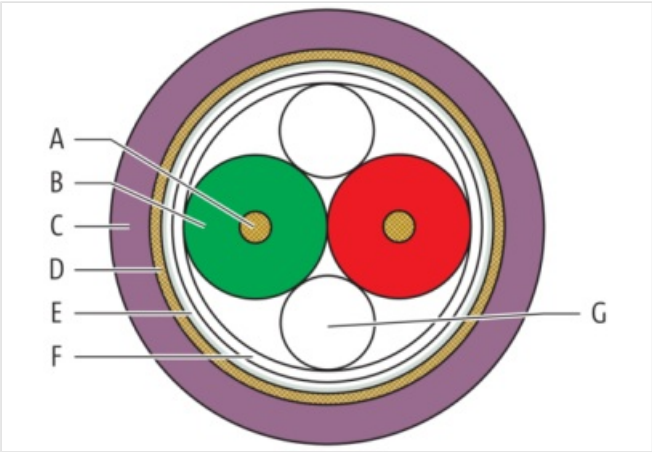







Product may differ from Image

| | |
|---|---|
| **Header** | |
| Cable length | 0.3 m |
| **Side 1** | |
| Family construction form | M12 |
| No. of poles | 2 |
| Coding | B |
| Mounting method | inserted, screwed |
| Thread | M12 x 1 |
| Tightening torque | 0.6 Nm |
| Width across flats | SW17 |
| Material | Brass |
| Material contact | Copper alloy |
| Coating contact | gold plated |
| Degree of protection (EN IEC 60529) | IP67 |
| **Side 2** | |
| Family construction form | free cable end |
| Stripping length (jacket) | 20 mm |
| **Commercial data** | |

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| | |
|---|---|
| URL Webshop | https://shop.murrelektronik.com/7000-14171-8410030 |
| customs tariff number | 85444290 |
| EAN | 4048879514040 |
| Packaging unit | 1 |
| **Electrical data \| Supply** | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 V |
| Current operating per contact max. | 4 A |
| **Diagnostics** | |
| Status indication LED | no |
| **Installation \| Connection** | |
| Mounting set | M16 x 1.5 |
| Width across flats | SW19 |
| **Device protection \| Electrical** | |
| Protection NEMA | 6P, 4, 3 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1.5 kV |
| Material group (IEC 60664-1) | I |
| **Mechanical data** | |
| Contour for corrugated hose | without |
| **Mechanical data \| Material data** | |
| Material screw connection | Brass |
| Coating of fitting | nickel plated |
| Locking material | Brass |
| Coating locking | nickel plated |
| Material gasket | FKM |
| **Mechanical data \| Mounting data** | |
| Mounting method | Schraubgewinde |
| Looking techniques | Schraubgewinde |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -30 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| **Important installation notes** | |
| Note on bending radius | **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| **Approvals** | |
| UL 50E | yes |
| **Installation \| Cable** | |
| Cable identification | 841 |
| Amount stranding | 1 |
| Stranding | Wires |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Banding | Fleece, Foil |
| Filler | yes |
| Wire arrangement | green, red |
| Cable weigth | 70.4 g/m |

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| | |
|---|---|
| Material wire insulation | cell polyethylene |
| Amount wires | 2 |
| Outer diameter insulation | 2.55 mm |
| Outer diameter tolerance core insulation | ± 0.1 mm |
| Shore hardness wire insulation | 60 |
| Ingredient freeness wire insulation | CFC-free, cadmium-free, halogen-free, lead-free |
| Amount strands (wire) | 19 |
| Diameter of single wires | 36 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Material conductor wire | Stranded copper wire, bare |
| Outer-diameter (jacket) | 7.7 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material jacket | PUR |
| Shore hardness jacket | 87 |
| Freedom from ingredients (jacket) | CFC-free, cadmium-free, silicone-free, halogen-free, lead-free |
| Material property (jacket) | matte, good machinability, abrasion-resistant, low adhesion |
| Conductor resistance (wire) | 72.2 Ω/km @ 20 °C |
| Electric capacitance | 29,000 pF/km |
| Isolation resistance | 5,000 MΩ × km |
| Nominal voltage AC max. | 300 V |
| Loop resistance | 145 Ω/km |
| Withstand voltage (wire - wire) | 2 kV @ 60 s |
| Withstand voltage (wire - jacket) | 2 kV @ 60 s |
| Withstand voltage (wire - shield) | 2 kV @ 60 s |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 3 A |
| Characteristic impedance | 150 Ω 10 MHz |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -20 °C |
| Operating temperature max. (dynamic) | 70 °C |
| Operating temperature min. (drag chain) | -20 °C |
| Operating temperature max. (drag chain) | 60 °C |
| Bending radius (fixed) | 7.5 × Outer diameter |
| Bending radius (dynamic) | 12 × Outer diameter |
| No. of bending cycles (C-track) | 5 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C \| horizontal |
| Travel speed (C-track) | 3 m/s @ 25 °C |
| Acceleration (C-track) | 5 m/s² @ 25 °C |