

### Push Pull Power with cable AIDA

PUR 5x2.5 gy UL/CSA+drag ch. 1m

Art.No.: 7000-99621-9620100

Weight: 0.292 kg

Country of origin: CZ

Model designation: MSWPA-U962\_1.0

Male straight

PPP, 5-pole

Push Pull Power

with cable sleeves

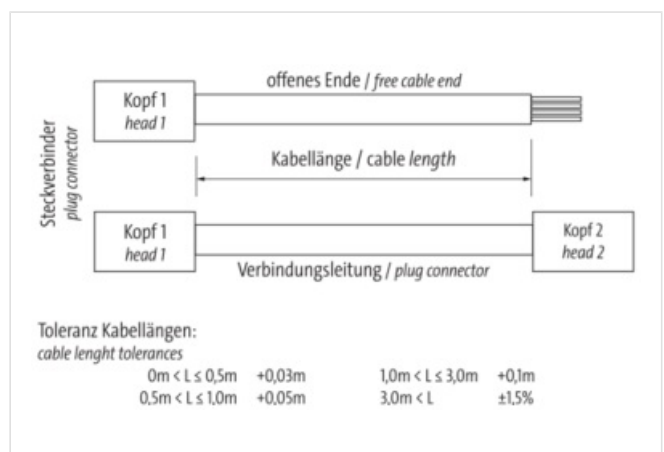
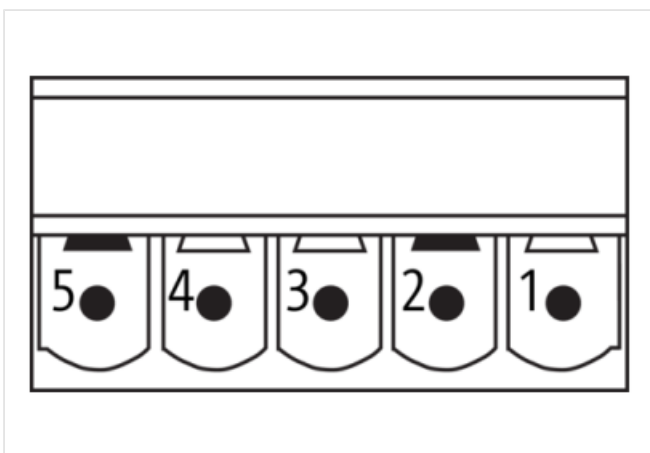
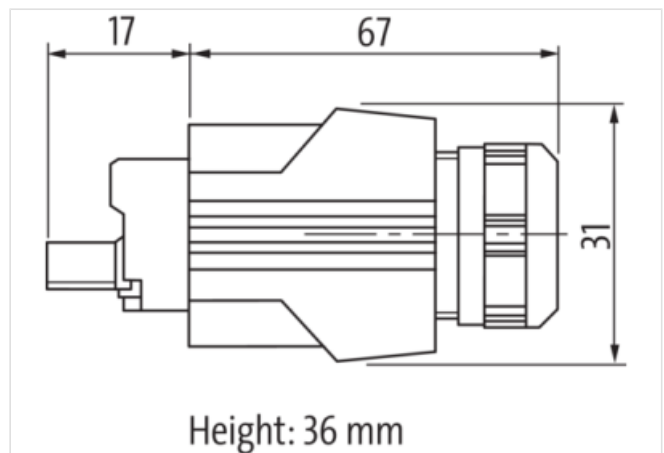
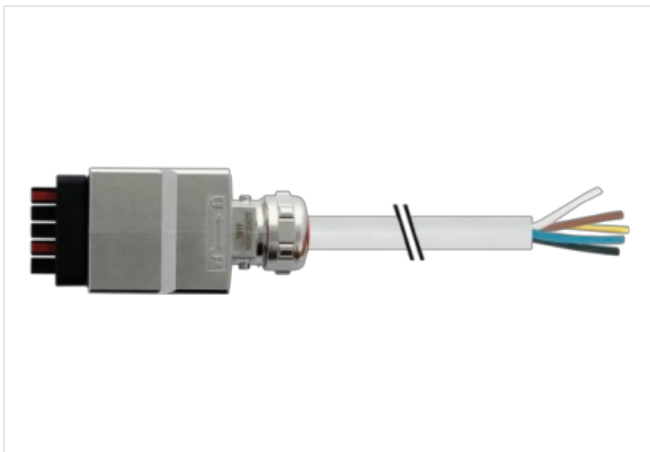
Further cable lengths on request.

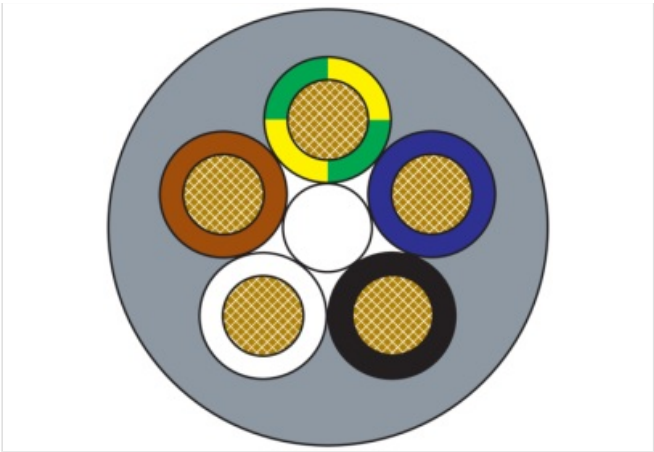
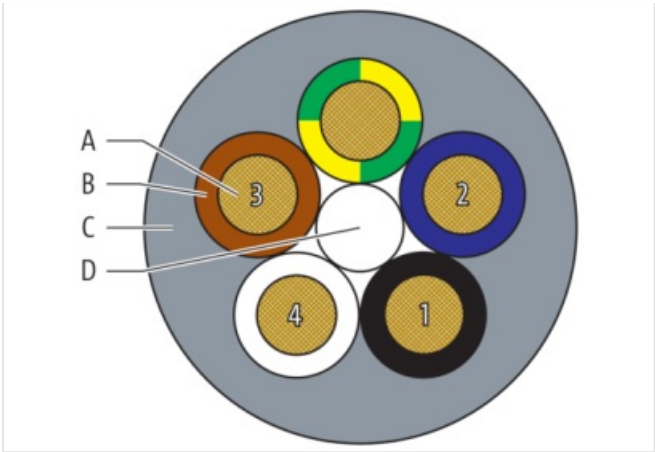
Plastic housings with good resistance against chemicals and oils.

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                              |                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Material short text                 | MSWPA-U962_1.0                                                                                                      |
| Cable length                        | 1,00 m                                                                                                              |
| Side 1                              |                                                                                                                     |
| Family construction form            | Push Pull Power                                                                                                     |
| No. of poles                        | 5                                                                                                                   |
| Cable outlet                        | straight                                                                                                            |
| Degree of protection (EN IEC 60529) | IP67, IP65                                                                                                          |
| Side 2                              |                                                                                                                     |
| Family construction form            | With open ended wires                                                                                               |
| Stripping length (jacket)           | 50 mm                                                                                                               |
| Commercial data                     |                                                                                                                     |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/7000-99621-9620100">https://shop.murrelektronik.com/7000-99621-9620100</a> |
| GTIN                                | 4048879850445                                                                                                       |
| ECLASS-6.0                          | 27061801                                                                                                            |
| ECLASS-6.1                          | 27279218                                                                                                            |
| ECLASS-7.0                          | 27279218                                                                                                            |
| ECLASS-7.1                          | 27279218                                                                                                            |
| ECLASS-8.0                          | 27279218                                                                                                            |
| ECLASS-8.1                          | 27279218                                                                                                            |
| ECLASS-9.0                          | 27060327                                                                                                            |
| ECLASS-9.1                          | 27060311                                                                                                            |
| ECLASS-10.0.1                       | 27060311                                                                                                            |
| ECLASS-10.1                         | 27060311                                                                                                            |
| ECLASS-11.0                         | 27060311                                                                                                            |
| ECLASS-11.1                         | 27060311                                                                                                            |
| ECLASS-12.0                         | 27060327                                                                                                            |
| ECLASS-13.0                         | 27060311                                                                                                            |
| ECLASS-14.0                         | 27060311                                                                                                            |
| ETIM-5.0                            | EC002599                                                                                                            |
| ETIM-6.0                            | EC002599                                                                                                            |
| ETIM-7.0                            | EC002599                                                                                                            |

|                       |               |
|-----------------------|---------------|
| ETIM-8.0              | EC002599      |
| customs tariff number | 85444290      |
| EAN                   | 4048879850445 |
| Packaging unit        | 1             |
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| EAN                   | 4048879850445 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 24 V |
| Operating voltage DC max.          | 24 V |
| Current operating per contact max. | 16 A |

**Device protection | Electrical**

|                                        |                   |
|----------------------------------------|-------------------|
| Degree of protection (EN IEC 60529)    | IP67, IP65        |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 2                 |
| Rated surge voltage                    | 4 kV              |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Material housing | Zinc die-casting |
|------------------|------------------|

**Mechanical data | Mounting data**

|                    |           |
|--------------------|-----------|
| Looking techniques | Push Pull |
|--------------------|-----------|

**Environmental characteristics | Climatic**

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

**Important installation notes**

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on bending radius | <b>Attention:</b> 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.                                                   |

**Installation | Cable**

|                                          |                                                                                                   |
|------------------------------------------|---------------------------------------------------------------------------------------------------|
| Cable identification                     | 962                                                                                               |
| Cable Type                               | 3                                                                                                 |
| Function cable                           | Power                                                                                             |
| Amount stranding                         | 1                                                                                                 |
| Stranding                                | 5 wires around core filler twisted                                                                |
| Filler                                   | Yes                                                                                               |
| Cable weight                             | 173 g/m                                                                                           |
| Material wire insulation                 | PP                                                                                                |
| Amount wires                             | 5                                                                                                 |
| Outer diameter insulation                | 2,85 mm                                                                                           |
| Outer diameter tolerance core insulation | ± 0,1 mm                                                                                          |
| Shore hardness wire insulation           | 60 ± 5 Shore D                                                                                    |
| Ingredient freeness wire insulation      | CFC-free, cadmium-free, silicone-free, halogen-free, lead-free                                    |
| Printing color of wire insulation        | white (isolation blue), white (isolation brown), white (isolation black), black (white isolation) |
| Amount strands (wire)                    | 140                                                                                               |
| Diameter of single wires                 | 0,15 mm                                                                                           |
| Conductor crosssection (wire)            | 2,5 mm <sup>2</sup>                                                                               |
| Material conductor wire                  | Stranded copper wire, bare                                                                        |
| Conductor type (wire)                    | strand class 6                                                                                    |
| Outer-diameter (jacket)                  | 9,5 mm                                                                                            |
| Tolerance outer diameter (sheath)        | ± 5 %                                                                                             |
| Material jacket                          | PUR                                                                                               |
| Shore hardness jacket                    | 90 ± 5 Shore A                                                                                    |

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| 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)          | 7.98 $\Omega$ /km @ 20 °C                                      |
| Nominal voltage max.                 | 1.000 V                                                        |
| Withstand voltage (wire - wire)      | 10 kV @ 60 s                                                   |
| Withstand voltage (wire - jacket)    | 10 kV @ 60 s                                                   |
| Current load capacity (standard)     | to DIN VDE 0298-4                                              |
| Current load capacity max. (wire)    | 19,5 A                                                         |
| Operating temperature min. (static)  | -50 °C                                                         |
| Operating temperature max. (static)  | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic) | -25 °C                                                         |
| Operating temperature max. (dynamic) | 80 °C / 90 °C @ 10000 h Operation                              |
| Bending radius (fixed)               | 5 × Outer diameter                                             |
| Bending radius (dynamic)             | 10 × Outer diameter                                            |
| No. of bending cycles (C-track)      | 5 Mio. @ 25 °C                                                 |
| Traversing distance (C-track)        | 5 m @ 25 °C                                                    |
| Travel speed (C-track)               | 3.3 m/s @ 25 °C                                                |
| Acceleration (C-track)               | 5 m/s <sup>2</sup> @ 25 °C                                     |
| No. of torsion cycles                | 5 Mio.                                                         |
| Torsion stress                       | 180 °C                                                         |
| Torsion speed                        | 35 cycles/min                                                  |