

**Cable drum Ø 500mm**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 300m

Art.No.: 7000-C0503-7960000

Weight: 21.904 kg

Country of origin: IT

Model designation: 300m Kabel 10080605(796)auf Kabeltrommel

Product fulfills requirements according to UN/ECE R118

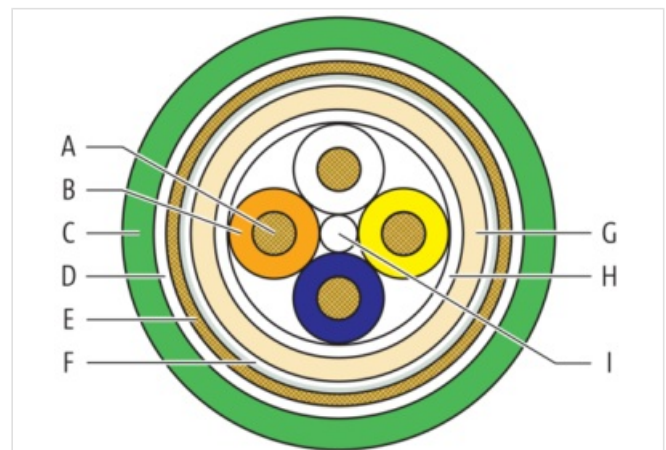
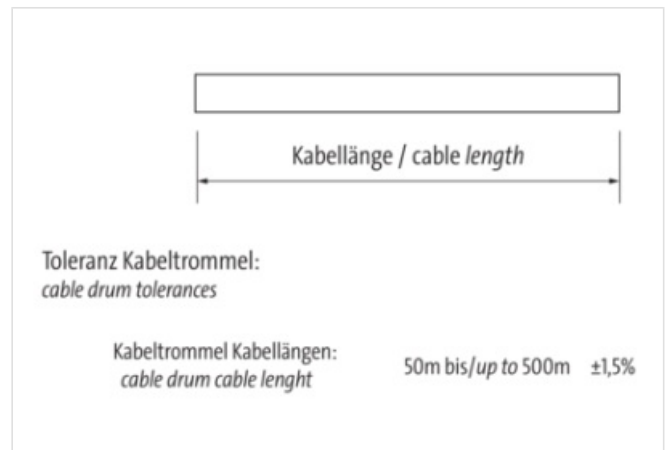
Cable drum (300 m)

Ethernet CAT5, PROFINET IO, EtherCAT

2x 2x 0.34 mm<sup>2</sup>

PUR (UL/CSA)

suitable for C-tracks

**[Link to Product](#)****Illustration**

Product may differ from Image

**Header**

Material short text

300m Kabel 10080605(796)auf Kabeltrommel

**Commercial data**

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7000-C0503-7960000">https://shop.murrelektronik.com/7000-C0503-7960000</a> |
| GTIN                  | 4048879432030                                                                                                       |
| ECLASS-6.0            | 27062011                                                                                                            |
| ECLASS-6.1            | 27061801                                                                                                            |
| ECLASS-7.0            | 27061801                                                                                                            |
| ECLASS-7.1            | 27061801                                                                                                            |
| ECLASS-8.0            | 27061801                                                                                                            |
| ECLASS-8.1            | 27061801                                                                                                            |
| ECLASS-9.0            | 27061801                                                                                                            |
| ECLASS-9.1            | 27061801                                                                                                            |
| ECLASS-10.0.1         | 27061801                                                                                                            |
| ECLASS-10.1           | 27061801                                                                                                            |
| ECLASS-11.0           | 27061801                                                                                                            |
| ECLASS-11.1           | 27061801                                                                                                            |
| ECLASS-12.0           | 27061801                                                                                                            |
| ECLASS-13.0           | 27061801                                                                                                            |
| ECLASS-14.0           | 27061801                                                                                                            |
| ETIM-5.0              | EC001855                                                                                                            |
| ETIM-6.0              | EC001855                                                                                                            |
| ETIM-7.0              | EC001855                                                                                                            |
| ETIM-8.0              | EC001855                                                                                                            |
| customs tariff number | 85444995                                                                                                            |
| EAN                   | 4048879432030                                                                                                       |
| Packaging unit        | 1                                                                                                                   |

**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                     | 796                                                            |
| Function cable                           | Data                                                           |
| Amount stranding                         | 1                                                              |
| Stranding                                | 4 wires around core filler star-shaped twisted                 |
| Cable shielding (type)                   | copper braid, tinned                                           |
| Cable shielding (coverage)               | 85 %                                                           |
| Banding                                  | Foil, Fleece                                                   |
| Filler                                   | Yes                                                            |
| Cable weight                             | 63 g/m                                                         |
| Material wire insulation                 | PE                                                             |
| Amount wires                             | 4                                                              |
| Outer diameter insulation                | 1,4 mm                                                         |
| Outer diameter tolerance core insulation | ± 0,05 mm                                                      |
| Shore hardness wire insulation           | 65 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation      | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)                    | 7                                                              |
| Diameter of single wires                 | 30 AWG                                                         |
| Conductor crosssection (wire)            | 22 AWG                                                         |
| Material conductor wire                  | Stranded copper wire, bare                                     |
| Outer-diameter (jacket)                  | 6,7 mm                                                         |
| Tolerance outer diameter (sheath)        | ± 5 %                                                          |
| Material jacket                          | PUR                                                            |
| Shore hardness jacket                    | 89 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |

|                                                 |                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------|
| Material property (jacket)                      | abrasion-resistant, low adhesion, good machinability, matte             |
| Material inner jacket                           | FRNC                                                                    |
| Color (inner jacket)                            | natural                                                                 |
| Conductor resistance (wire)                     | 55.4 $\Omega$ /km @ 20 °C                                               |
| Electrical capacity line constant (wire - wire) | 50.000 pF/km                                                            |
| Isolation resistance                            | 5.000 M $\Omega$ × km                                                   |
| Nominal voltage AC max.                         | 300 V                                                                   |
| 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                 | 4,8 A                                                                   |
| Characteristic impedance                        | 100 $\Omega$ ± 15 %                                                     |
| Operating temperature min. (static)             | -40 °C                                                                  |
| Operating temperature max. (static)             | 80 °C                                                                   |
| Operating temperature min. (dynamic)            | -30 °C                                                                  |
| Operating temperature max. (dynamic)            | 70 °C                                                                   |
| Operating temperature min. (drag chain)         | -30 °C                                                                  |
| Operating temperature max. (drag chain)         | 70 °C                                                                   |
| Flame resistance                                | IEC 60332-1-2, UL 1581 § 1090, UL 1581 § 1100                           |
| Oil resistance                                  | IEC 60811-404, IRM 901, NEMA WC55                                       |
| Ozone resistance                                | IEC 60811-403                                                           |
| UV resistance                                   | UL 1581 § 1200                                                          |
| Other resistances                               | resistant to hydrolysis, resistant to microbes, MUD-resistant (NEK 606) |
| Bending radius (fixed)                          | 5 × Outer diameter                                                      |
| Bending radius (dynamic)                        | 12 × Outer diameter                                                     |
| No. of bending cycles (C-track)                 | 3 Mio. @ 25 °C                                                          |
| Traversing distance (C-track)                   | 5 m @ 25 °C                                                             |
| Travel speed (C-track)                          | 3.3 m/s @ 25 °C                                                         |
| Acceleration (C-track)                          | 2 m/s² @ 25 °C                                                          |
| No. of torsion cycles                           | 1 Mio. @ 25 °C                                                          |
| Torsion stress                                  | ± 180 °/m                                                               |
| Torsion speed                                   | 35 cycles/min                                                           |