

**DRIVE CLIQ CABLE**

Specification: 6FX8002-2DC10-1CF0

Art.No.: 7000-SS051-8802500

Weight: 1.978 kg

Country of origin: DE

Model designation: M6FX8002-2DC10-1CF0

**Advantages of our connectors:**

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

**Product details:**

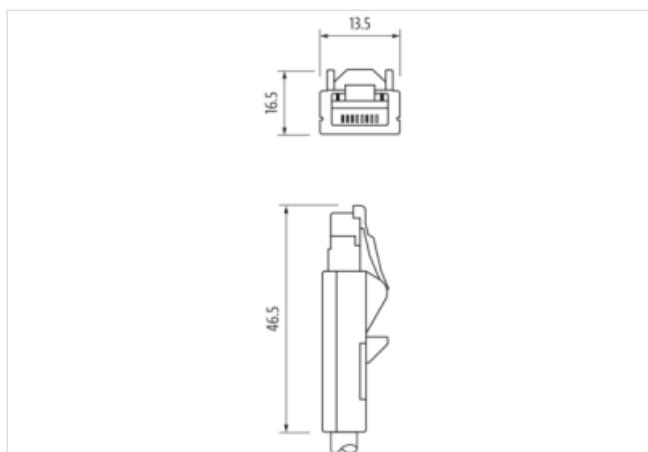
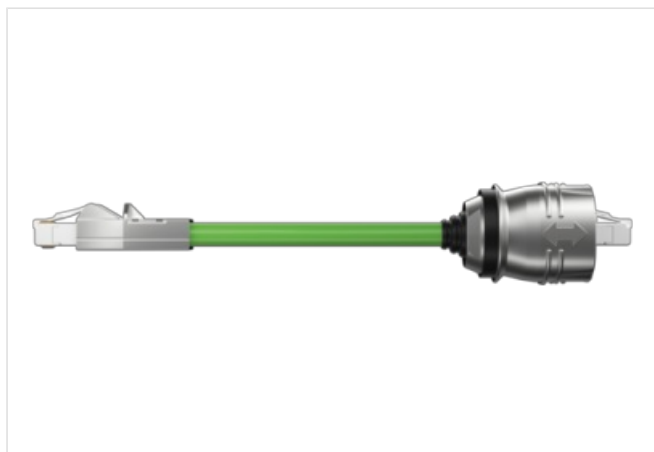
DRIVE-CLiQ signal cable for SINAMICS S120 and motors with DC 24 V wires

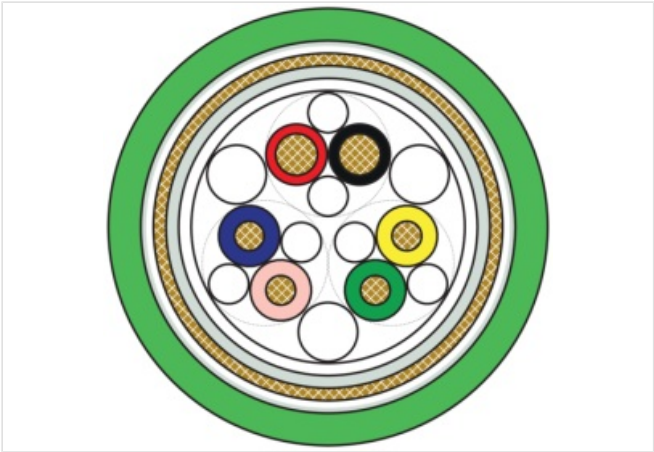
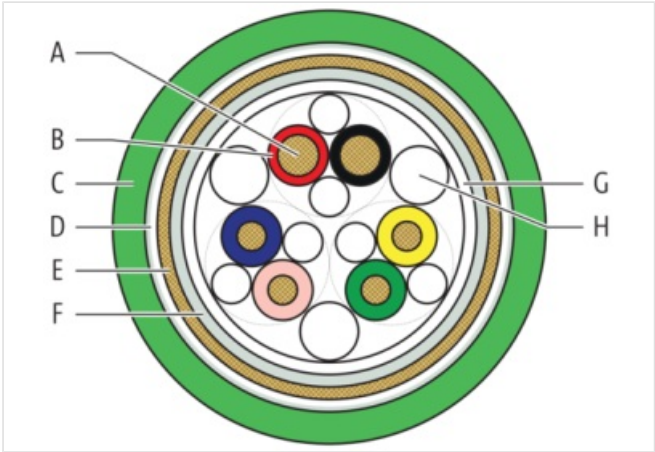
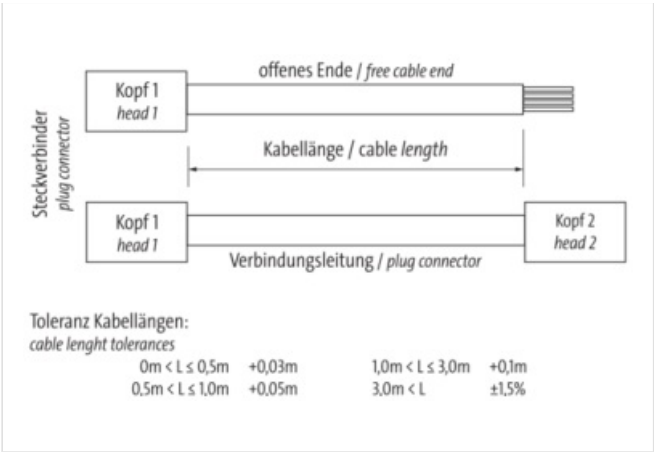
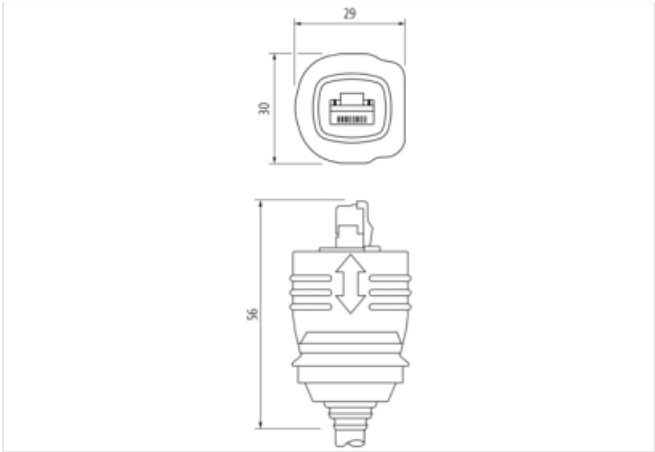
Male straight – male straight

DRIVE-CLiQ IP67 – DRIVE CLiQ IP20

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                   |                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| Material short text      | M6FX8002-2DC10-1CF0                                                                                                 |
| Cable length             | 25,00 m                                                                                                             |
| Side 1                   |                                                                                                                     |
| Family construction form | RJ45                                                                                                                |
| Mounting method          | pluggable                                                                                                           |
| Side 2                   |                                                                                                                     |
| Mounting method          | pluggable                                                                                                           |
| Commercial data          |                                                                                                                     |
| URL Webshop              | <a href="https://shop.murrelektronik.com/7000-SS051-8802500">https://shop.murrelektronik.com/7000-SS051-8802500</a> |
| GTIN                     | 4048879696609                                                                                                       |
| ECLASS-6.0               | 27061801                                                                                                            |
| ECLASS-6.1               | 27060307                                                                                                            |
| ECLASS-7.0               | 27060307                                                                                                            |
| ECLASS-7.1               | 27060307                                                                                                            |
| ECLASS-8.0               | 27060307                                                                                                            |
| ECLASS-8.1               | 27060307                                                                                                            |
| ECLASS-9.0               | 27060307                                                                                                            |

|                       |               |
|-----------------------|---------------|
| ECLASS-9.1            | 27060307      |
| ECLASS-10.0.1         | 27060307      |
| ECLASS-10.1           | 27060307      |
| ECLASS-11.0           | 27060307      |
| ECLASS-11.1           | 27060307      |
| ECLASS-12.0           | 27060307      |
| ECLASS-13.0           | 27060307      |
| ECLASS-14.0           | 27060307      |
| ETIM-5.0              | EC000830      |
| ETIM-6.0              | EC000830      |
| customs tariff number | 85444210      |
| EAN                   | 4048879696609 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                           |          |
|---------------------------|----------|
| Operating voltage AC max. | 30 V     |
| Operating voltage DC max. | 30 V     |
| Operating current max.    | 27.760 A |

#### Device protection | Electrical

|                                     |            |
|-------------------------------------|------------|
| Degree of protection (EN IEC 60529) | IP67, IP20 |
| Pollution Degree                    | 3          |
| Rated surge voltage                 | 0,5 kV     |
| Material group (IEC 60664-1)        | II         |

#### Mechanical data | Mounting data

|                    |            |
|--------------------|------------|
| Looking techniques | DRIVE-CLiQ |
|--------------------|------------|

#### Environmental characteristics | Climatic

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -20 °C                     |
| Operating temperature max.             | 80 °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                     | 880                                         |
| Amount stranding                         | 3                                           |
| Stranding                                | Wires                                       |
| Amount stranding (type 2)                | 1                                           |
| Stranding (type 2)                       | Stranded joints                             |
| Cable shielding (type)                   | copper braid, tinned                        |
| Cable shielding (coverage)               | 85 %                                        |
| Banding                                  | Fleece, Foil                                |
| Filler                                   | yes                                         |
| Wire arrangement                         | (green, yellow), (pink, blue), (red, Black) |
| Cable weight                             | 69 g/m                                      |
| Material wire insulation                 | Polyolefin                                  |
| Amount wires                             | 4                                           |
| Outer diameter insulation                | 1 mm                                        |
| Outer diameter tolerance core insulation | ± 0,05 mm                                   |
| Amount strands (wire)                    | 19                                          |
| Diameter of single wires                 | 0,118 mm                                    |
| Conductor crosssection (wire)            | 0,2 mm <sup>2</sup>                         |
| Material conductor wire                  | Stranded copper wire, bare                  |

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Conductor type (wire)                             | strand class 6                    |
| Material wire insulation (type 2)                 | Polyolefin                        |
| Outer diameter wire insulation (type 2)           | 1 mm                              |
| Tolerance outer diameter wire insulation (type 2) | ± 0,05 mm                         |
| Amount wires (type 2)                             | 2                                 |
| Amount strands wire (type 2)                      | 19                                |
| Diameter of single wires (type 2)                 | 0,16 mm                           |
| Conductor crosssection wire (type 2)              | 0,38 mm²                          |
| Material conductor wire (type 2)                  | copper stranded wire, tinned      |
| Wire conductor type (type 2)                      | strand class 6                    |
| Outer-diameter (jacket)                           | 7 mm                              |
| Tolerance outer diameter (sheath)                 | ± 5 %                             |
| Material jacket                                   | PUR                               |
| Freedom from ingredients (jacket)                 | CFC-free, halogen-free, lead-free |
| Conductor resistance (wire)                       | 94 Ω/km @ 20 °C                   |
| Conductor resistance (wire type 2)                | 55 Ω/km @ 20 °C                   |
| Isolation resistance                              | 1.000 MΩ × km                     |
| Nominal voltage max.                              | 30 V                              |
| Current load capacity (standard)                  | to DIN VDE 0298-4                 |
| Current load capacity max. (wire)                 | 2,4 A                             |
| Current load capacity max. Wire (type 2)          | 6 A                               |
| Characteristic impedance                          | 100 Ω 5 MHz                       |
| Operating temperature min. (static)               | -20 °C                            |
| Operating temperature max. (static)               | 80 °C                             |
| Operating temperature min. (dynamic)              | -20 °C                            |
| Operating temperature max. (dynamic)              | 60 °C                             |
| Bending radius (dynamic)                          | 10 × Outer diameter               |
| No. of bending cycles (C-track)                   | 5 Mio.                            |
| Traversing distance (C-track)                     | 50 m @ 25 °C   horizontal         |
| Travel speed (C-track)                            | 5 m/s @ 25 °C                     |
| Acceleration (C-track)                            | 50 m/s² @ 25 °C                   |
| Torsion stress                                    | 30 °C                             |