

## DRIVE CLIQ CABLE

Specification: 6FX8002-2DC10-1AH1

Art.No.: 7000-SS051-8800710

Weight: 0.523

Country of origin: DE

Model designation: M6FX8002-2DC10-1AH1

### 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**

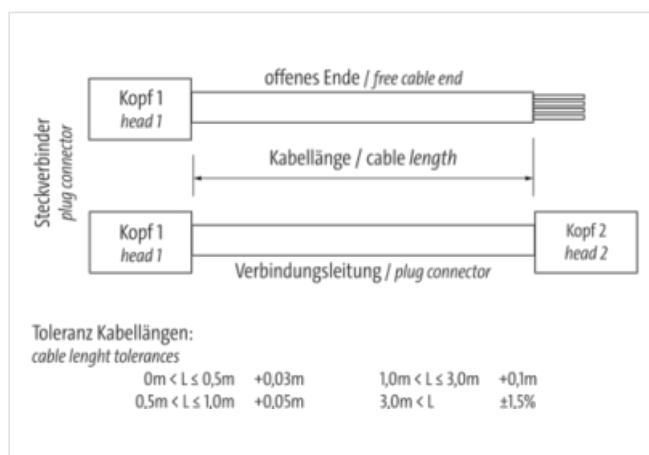
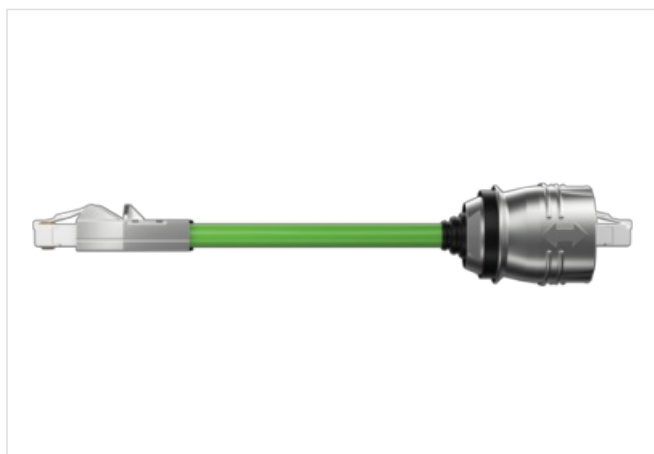
**DRIVE-CLiQ IP67 – DRIVE CLiQ IP20**

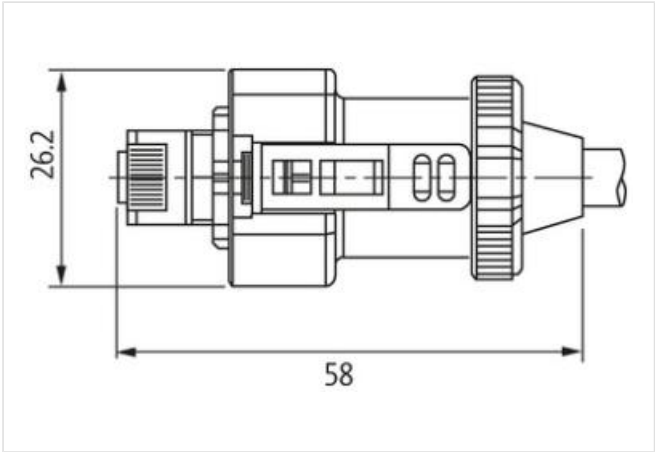
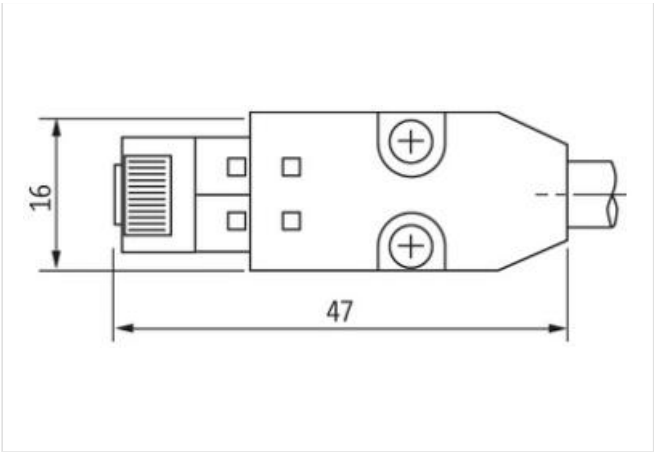
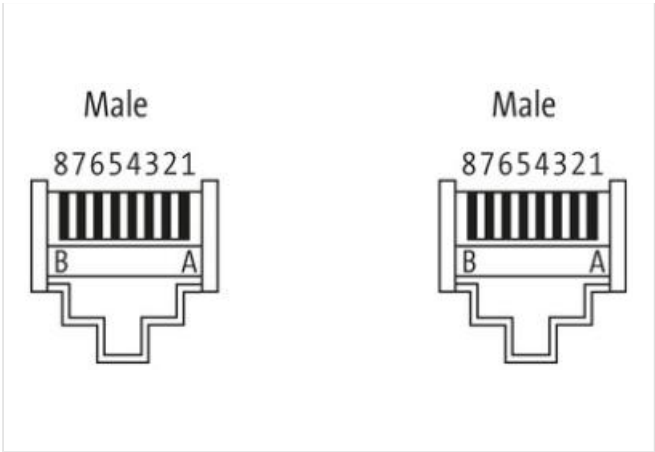
**Further cable lengths on request.**

**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

|                           |               |
|---------------------------|---------------|
| Cable length              | 7,1 m         |
| Side 1                    |               |
| Mounting method           | pluggable     |
| Family construction form  | RJ45          |
| Side 2                    |               |
| Mounting method           | pluggable     |
| Commercial data           |               |
| ECLASS-6.0                | 27061801      |
| ECLASS-6.1                | 27060307      |
| ECLASS-7.0                | 27060307      |
| ECLASS-8.0                | 27060307      |
| ECLASS-9.0                | 27060307      |
| ECLASS-10.1               | 27060307      |
| ECLASS-11.1               | 27060307      |
| ECLASS-12.0               | 27060307      |
| ETIM-5.0                  | EC000830      |
| customs tariff number     | 85444210      |
| EAN                       | 4048879529723 |
| Packaging unit            | 1             |
| Electrical data   Supply  |               |
| Operating voltage AC max. | 30 V          |
| Operating voltage DC max. | 30 V          |

Operating current max. 1,76 A

#### Device protection | Electrical

Degree of protection (EN IEC 60529) IP20, IP67

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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

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.

#### Installation | Cable

wire arrangement (green, yellow), (pink, blue), (red, black)

Cable identification 880

Jacket Color green

Type of Certificate cURus

Amount stranding 3

Stranding 2 wires with 2 Filler twisted

Amount stranding (type 2) 1

Stranding (type 2) 3 Stranded joints with Filler twisted

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 75,9 g/m

Material jacket PUR

Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free

Outer-diameter (jacket) 7 mm

Tolerance outer diameter (sheath)  $\pm 5 \%$

Material wire insulation Polyolefin

Amount wires 4

Outer diameter insulation 1 mm

Outer diameter tolerance core insulation  $\pm 5 \%$

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 (Data) Polyolefin

Outer diameter wire insulation (Data) 1 mm

Tolerance outer diameter wire insulation (data)  $\pm 5 \%$

Amount wires (Data) 2

Amount strands wire (Data) 19

Diameter of single wires (Data) 0,16 mm

Conductor crosssection wire (Data) 0,38 mm<sup>2</sup>

|                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| Material conductor wire (Data)            | copper stranded wire, tinned                         |
| Wire conductor type (Data)                | strand class 6                                       |
| Nominal voltage AC max.                   | 30 V                                                 |
| Current load capacity (standard)          | to DIN VDE 0298-4                                    |
| Current load capacity min. wire           | 2,4 A                                                |
| Current load capacity min. Wire (Data)    | 6 A                                                  |
| Characteristic impedance                  | 100 $\Omega \pm 5\%$ @ 100 MHz                       |
| Electrical resistance line constant wire  | 94 $\Omega/\text{km}$ @ 20 °C                        |
| Electrical resistance coating wire (Data) | 55 $\Omega/\text{km}$ @ 20 °C                        |
| Isolation resistance                      | 1000 M $\Omega \times \text{km}$                     |
| Min. operating temperature (static)       | -20 °C                                               |
| Max. operating temperature (fixed)        | 80 °C                                                |
| Operating temperature min. (dynamic)      | -20 °C                                               |
| Operating temperature max. (dynamic)      | 60 °C                                                |
| Flame resistance                          | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| chemical resistance                       | Good, application-related testing                    |
| Gasoline resistance                       | Good, application-related testing                    |
| Oil resistance                            | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (dynamic)                  | 10 x 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                                        |
| Torsion stress                            | $\pm 30$ °/m                                         |