

DRIVE CLIQ CABLE

Specification: 6FX5002-2DC10-1CA0

Art.No.: 7000-SS051-8812000

Weight: 1.575

Country of origin: DE

Model designation: M6FX5002-2DC10-1CA0

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

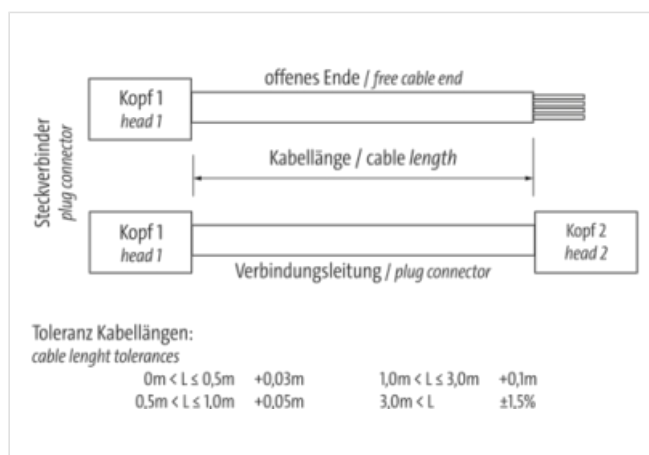
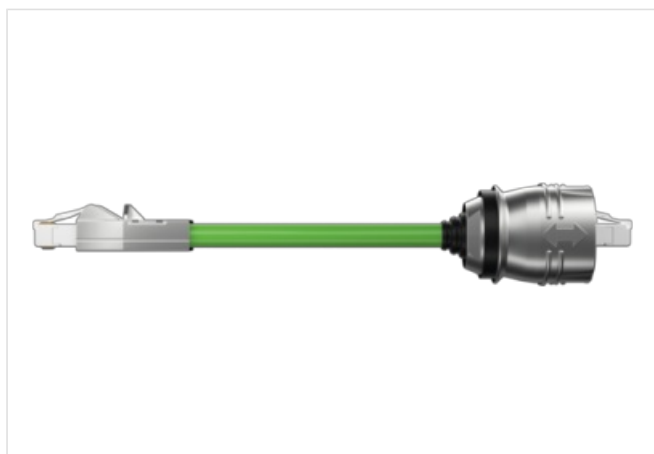
DRIVE-CLiQ IP67 – DRIVE CLiQ IP20

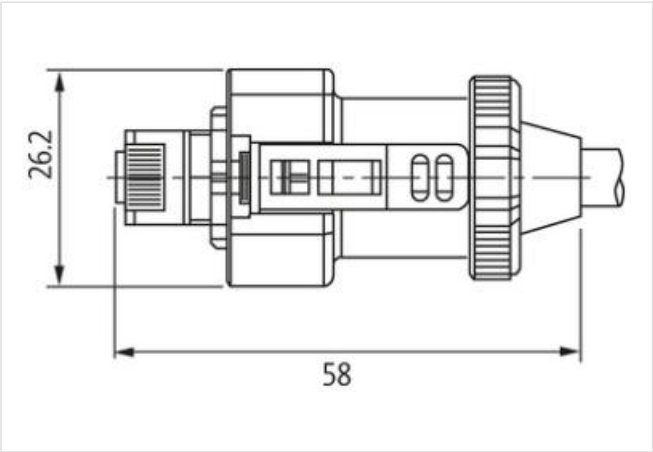
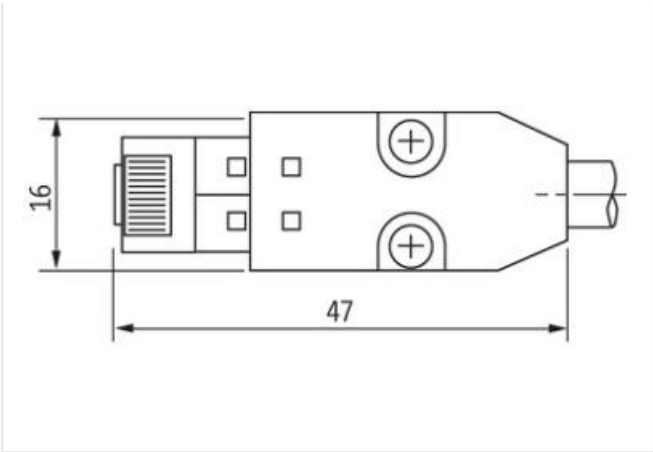
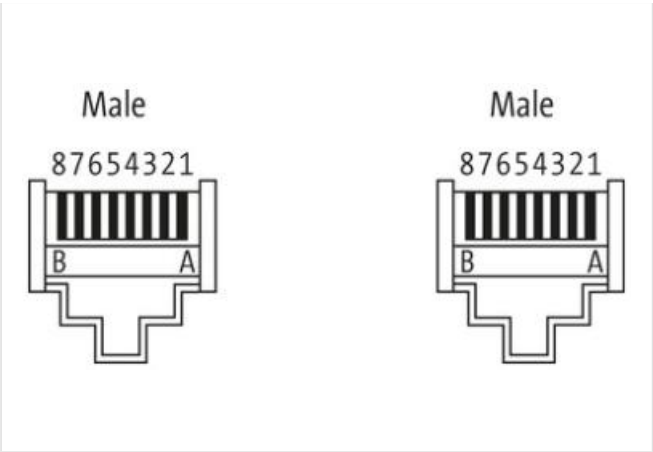
Further cable lengths on request.

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	20 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
GTIN	4048879523127
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 881

Function cable Hybrid, Data, Power

Jacket Color green

Type of Certificate cURus

Amount stranding 3

Stranding 2 wires with Filler twisted

Stranding (type 2) 3 Stranded joints with Filler twisted

Cable shielding (type) copper braid, tinned

Cable shielding (coverage) 85 %

Filler yes

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

Material jacket PVC

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

Outer-diameter (jacket) 6,95 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PE

Amount wires 4

Outer diameter insulation 1,03 mm

Outer diameter tolerance core insulation ± 5 %

Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free

Amount strands (wire) 7

Diameter of single wires 24 AWG

Conductor crosssection (wire) 24 AWG

Material conductor wire Stranded copper wire, bare

Electrical function wire Data

Material wire insulation (Power) PE

Outer diameter wire insulation (Power) 1,03 mm

Tolerance outer diameter wire insulation (Power) ±5 %

Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free

Amount wires (Power) 2

Amount strands wire (Power) 7

Diameter of single wires (Power) 22 AWG

Wire conductor cross section (Power) 22 AWG

Material conductor wire (Power)	copper stranded wire, tinned
Nominal voltage AC max.	30 V
Electrical function wire	Data
Characteristic impedance	100 $\Omega \pm 15\%$ @ 1 MHz
Electrical resistance line constant wire	90 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	0,5 kV @ 60 s
Electric capacitance	50000 pF/km
Power frequency withstand voltage (wire - jacket)	0,5 kV @ 60 s
AC withstand voltage (wire - shield)	0,5 kV @ 60 s
Isolation resistance	1000 M $\Omega \times \text{km}$
Min. operating temperature (static)	-20 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	0 °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
No. of bending cycles (C-track)	0,1 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	0,5 m/s @ 25 °C

Mouser Electronics

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