

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:

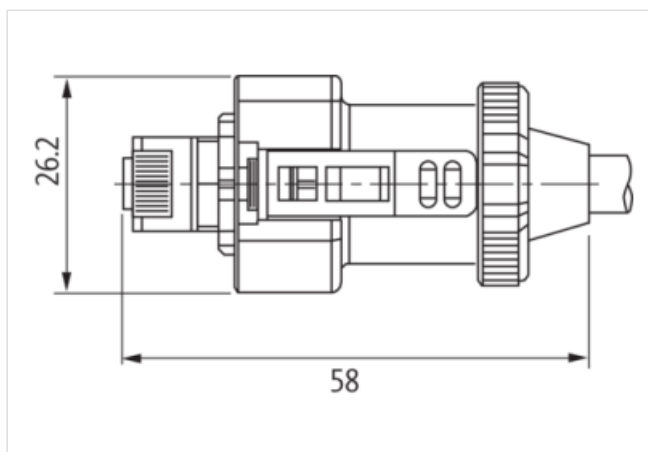
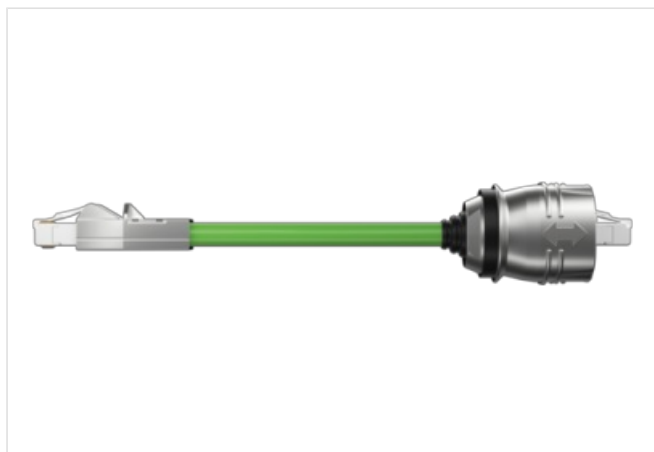
DRIVE-CLiQ signal cable for SINAMICS S120 and motors with DC 24 V wires

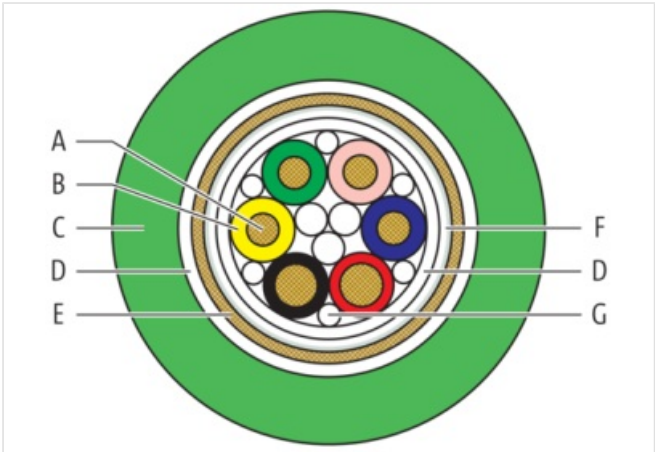
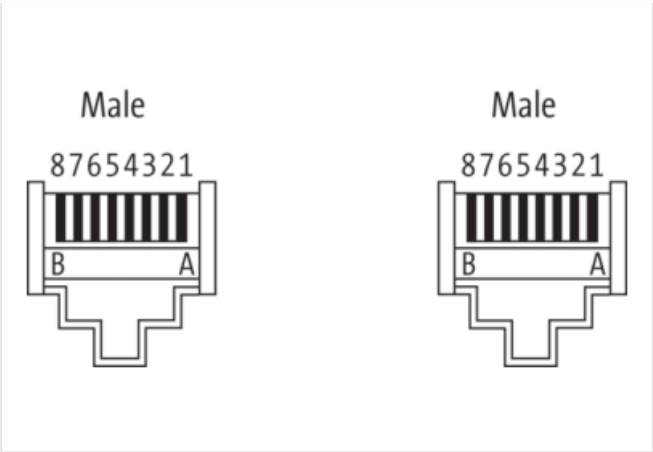
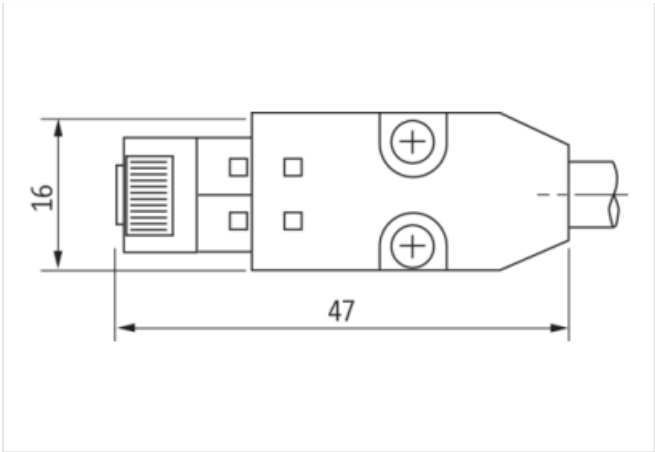
Male straight – male straight

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



Header	
Material short text	M6FX5002-2DC10-1CA0
Cable length	20,00 m
Side 1	

Family construction form	RJ45
Mounting method	pluggable
Side 2	
Mounting method	pluggable
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-SS051-8812000
GTIN	4048879523127
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	4048879523127
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	Attention: 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	881
Function cable	Hybrid, Data, Power
Amount stranding	3
Stranding	Wires

Stranding (type 2)	Stranded joints
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Filler	yes
Wire arrangement	(green, yellow), (pink, blue), (red, Black)
Cable weight	69 g/m
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,03 mm
Outer diameter tolerance core insulation	+ 0,02 mm
Ingredient freeness wire insulation	CFC-free, silicone-free, halogen-free, lead-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 (type 3)	PE
Outer diameter wire insulation (type 3)	1,03 mm
Tolerance outer diameter wire insulation (type 3)	+ 0,02 mm
Ingredient freeness wire insulation (type 3)	CFC-free, halogen-free, lead-free
Amount wires (type 3)	2
Amount strands wire (type 3)	7
Diameter of single wires (type 3)	22 mm
Wire conductor cross section (type 3)	22 AWG
Material conductor wire (type 3)	copper stranded wire, tinned
Outer-diameter (jacket)	6,95 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Freedom from ingredients (jacket)	CFC-free, silicone-free, lead-free
Conductor resistance (wire)	90 Ω/km @ 20 °C
Conductor resistance (wire type 3)	55 Ω/km @ 20 °C
Electric capacitance	50.000 pF/km
Isolation resistance	1.000 MΩ × km
Nominal voltage AC max.	30 V
Withstand voltage (wire - wire)	0.5 kV @ 60 s
Withstand voltage (wire - jacket)	0.5 kV @ 60 s
Withstand voltage (wire - shield)	0.5 kV @ 60 s
Characteristic impedance	100 Ω 15 MHz
Min. operating temperature (static)	-20 °C
Max. operating temperature (static)	80 °C
Operating temperature min. (dynamic)	0 °C
Operating temperature max. (dynamic)	60 °C
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
Acceleration (C-track)	2 m/s² @ 25 °C