

**DRIVE CLIQ CABLE**

Specification: M6FX5002-2DC20-1AC0

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

Male straight – male straight

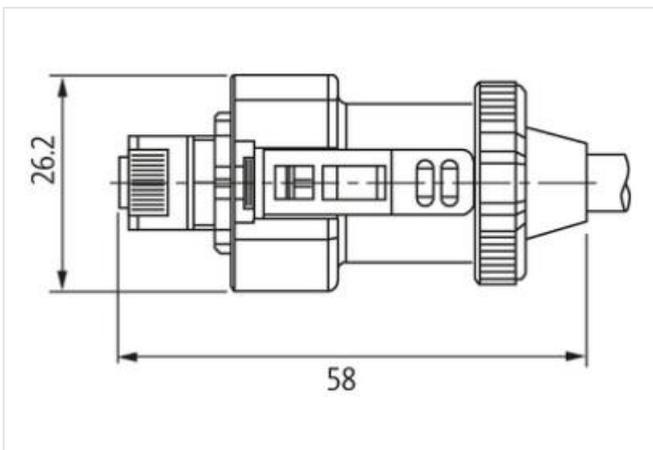
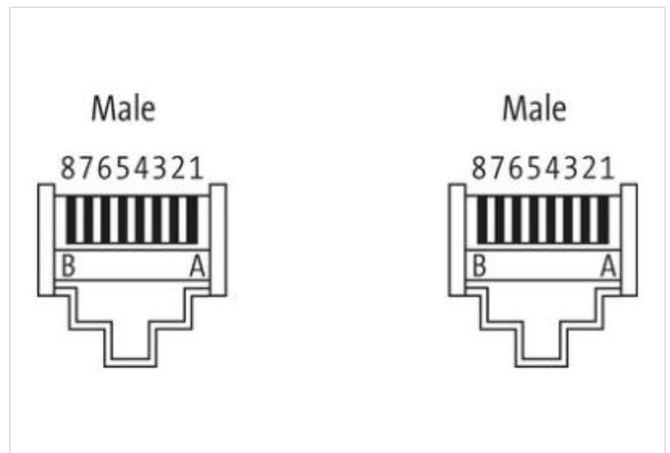
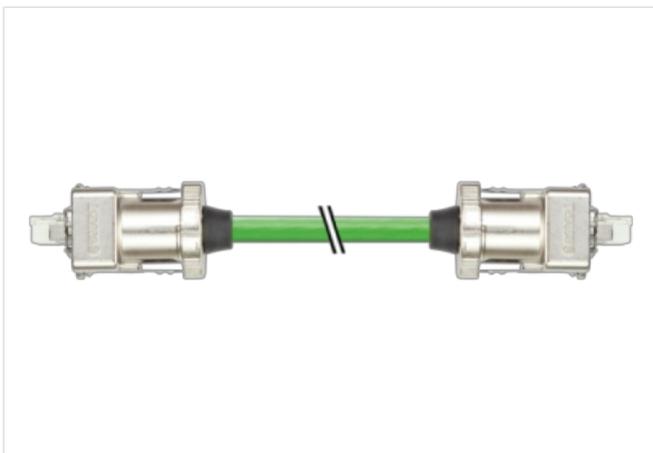
DRIVE-CLiQ IP67 - DRIVE CLiQ IP67

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	2 m
<b>Commercial data</b>	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307

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ETIM-5.0	EC000830
customs tariff number	85444210
GTIN	4048879554596
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,76 A
<b>Industrial communication</b>	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
<b>Industrial communication   Ethernet functionality</b>	
duplex	Full duplex
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP67
Pollution Degree	3
Rated surge voltage	0,5 kV
Material group (IEC 60664-1)	II
<b>Mechanical data   Material data</b>	
Coating housing	Nickeled
Material housing	Zinc die-casting
<b>Mechanical data   Mounting data</b>	
Looking techniques	DRIVE-CLiQ
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
<b>Installation   Cable</b>	
STOOW style jacket	Hybrid, Data, Power
Cable identification	881
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)
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free, silicone-free
Travel speed (C-track)	2
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 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
Loop resistance	1000 MΩ × km
Nominal voltage AC max.	30 V
Electrical function wire	Data
Characteristic impedence	100 Ω ± 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
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
Travel speed (C-track)	0,1 Mio.