

DRIVE CLIQ CABLE

Specification: 6FX8002-2DC20-1AD0

Art.No.: 7000-SS061-8800300

Weight: 0.347

Country of origin: DE

Model designation: M6FX8002-2DC20-1AD0

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

Male straight – male straight

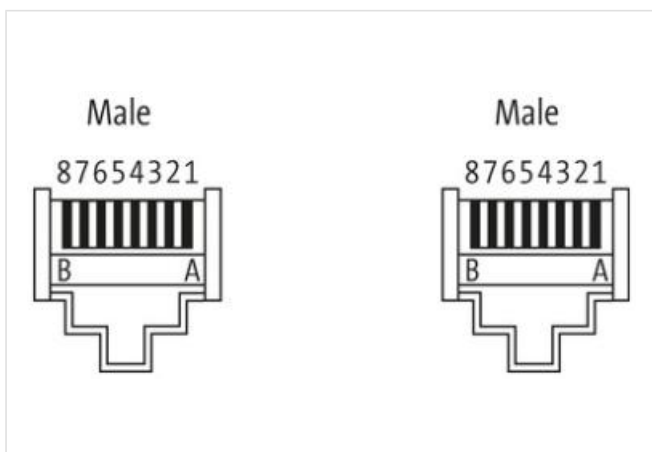
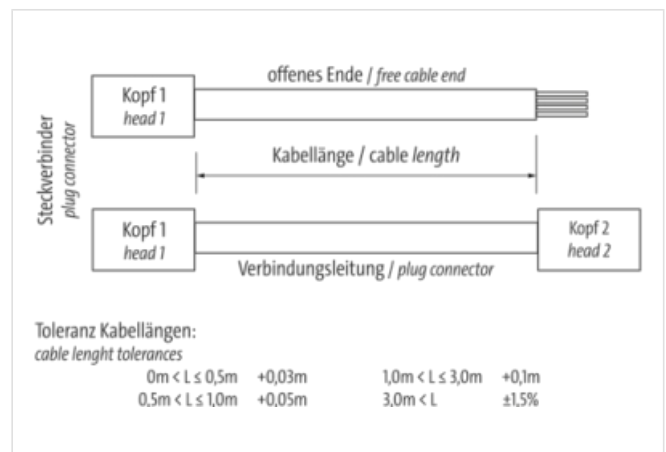
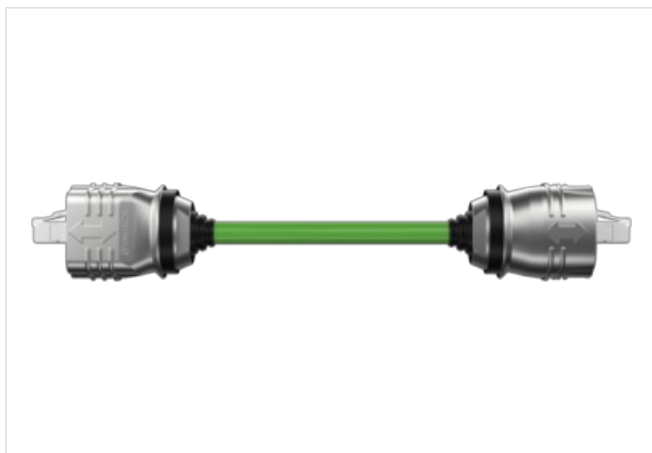
DRIVE-CLiQ IP67 - DRIVE CLiQ IP67

Further cable lengths on request.

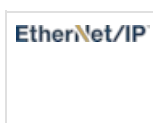
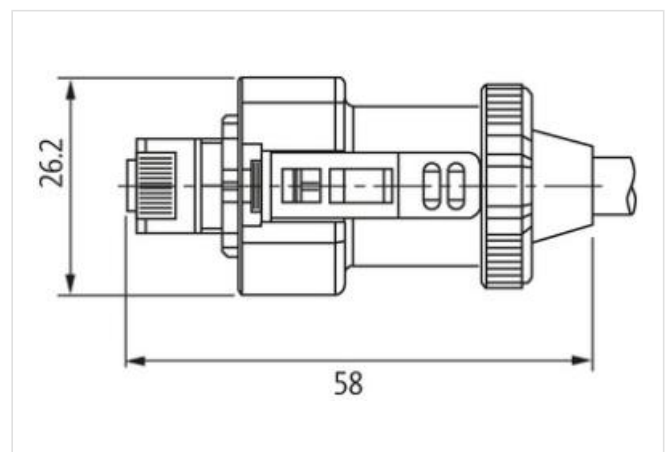
The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)

Illustration



Product may differ from Image



Cable length

3 m

Side 1

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-11-13

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Family construction form RJ45

Commercial data

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
ETIM-5.0	EC000830
customs tariff number	85444210
EAN	4048879731768
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,76 A

Industrial communication

Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s

Industrial communication | Ethernet functionality

duplex	Full duplex
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Device protection | Electrical

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

Mechanical data | Material data

Material housing	Zinc die-casting
Coating housing	Nickeled

Mechanical data | Mounting data

Looking techniques	DRIVE-CLiQ
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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 weighth	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)	± 5 %
Material wire insulation	Polyolefin
Amount wires	4
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)	19
Diameter of single wires	0,118 mm
Conductor crosssection (wire)	0,2 mm ²
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)	± 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 ²
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 Ω ± 5 % @ 100 MHz
Electrical resistance line constant wire	94 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	55 Ω/km @ 20 °C
Isolation resistance	1000 MΩ × 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	± 30 °/m