

DRIVE CLIQ CABLE

Specification: 6FX8002-2DC10-1AG5

Art.No.: 7000-SS051-8800650

Weight: 0.529 kg

Country of origin: DE

Model designation: M6FX8002-2DC10-1AG5

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

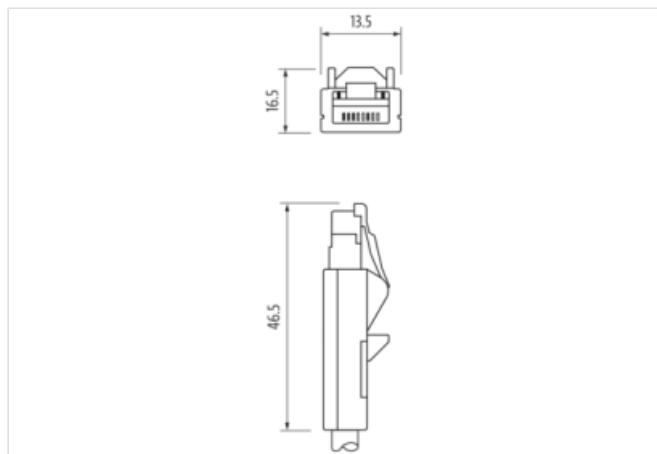
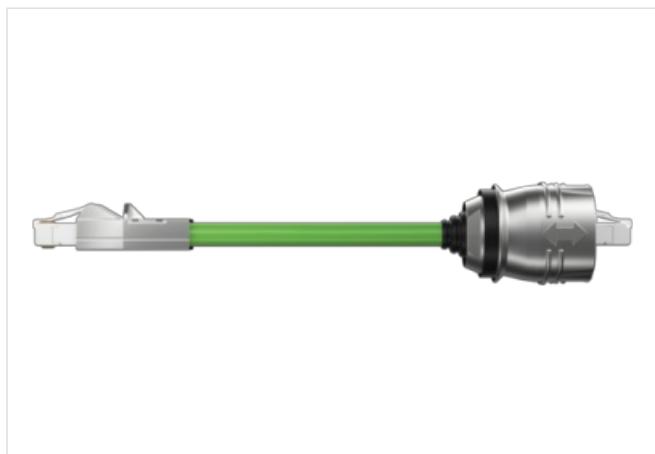
DRIVE-CLiQ IP67 – DRIVE CLiQ IP20

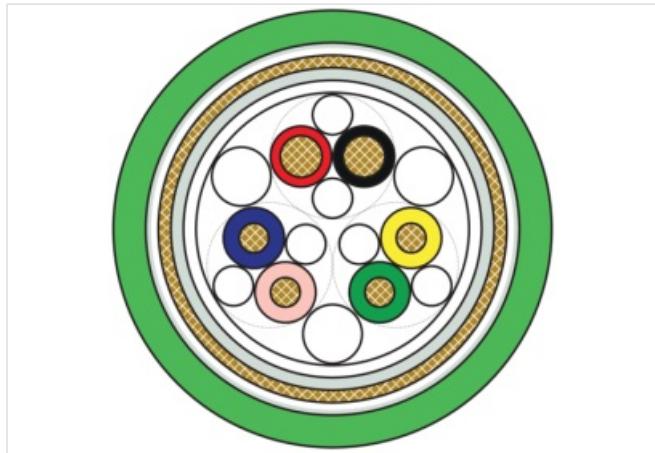
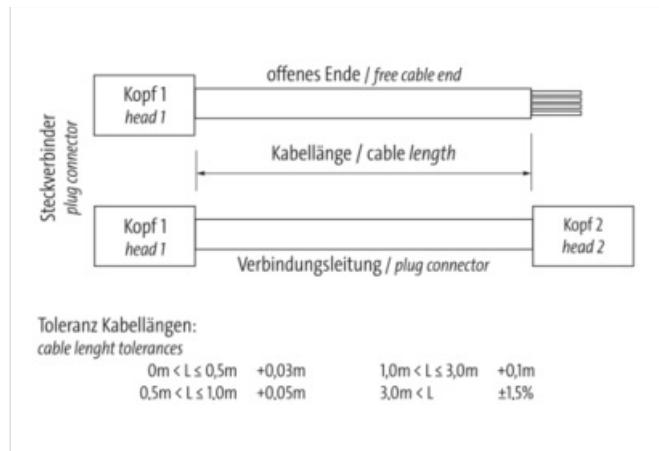
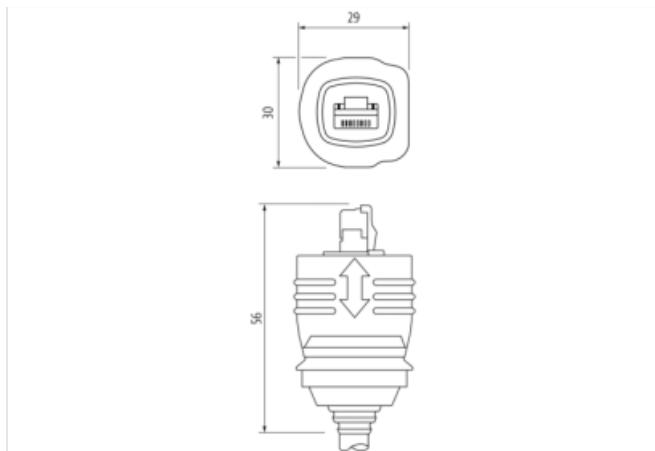
Further cable lengths on request.

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 M6FX8002-2DC10-1AG5

Cable length 6,50 m

Side 1

Family construction form RJ45

Mounting method pluggable

Side 2

Mounting method pluggable

Commercial data

URL Webshop <https://shop.murrelektronik.com/7000-SS051-8800650>

GTIN 4048879603331

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

ECCLASS-9.1	27060307
ECCLASS-10.0.1	27060307
ECCLASS-10.1	27060307
ECCLASS-11.0	27060307
ECCLASS-11.1	27060307
ECCLASS-12.0	27060307
ECCLASS-13.0	27060307
ECCLASS-14.0	27060307
ETIM-5.0	EC000830
ETIM-6.0	EC000830
customs tariff number	85444210
EAN	4048879603331
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
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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 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	880
Function cable	Hybrid
Stranding	3 x 2 wires stranded with 2 fillers
Amount stranding (type 2)	1
Stranding (type 2)	1 x 3 stranding combinations stranded with 3 fillers
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	69 g/m
Material wire insulation	Polyolefin
Amount wires	4
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free
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 (type 2)	Polyolefin
Outer diameter wire insulation (type 2)	1 mm
Tolerance outer diameter wire insulation (type 2)	± 0,05 mm
Ingredient freeness wire insulation (type 2)	lead-free, CFC-free, halogen-free, silicone-free
Amount wires (type 2)	2
Amount strands wire (type 2)	19
Diameter of single wires (type 2)	0,16 mm
Conductor crosssection wire (type 2)	0,38 mm ²
Material conductor wire (type 2)	copper stranded wire, tinned
Wire conductor type (type 2)	strand class 6
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Conductor resistance (wire)	94 Ω/km @ 20 °C
Conductor resistance (wire type 2)	55 Ω/km @ 20 °C
Isolation resistance	1.000 MΩ × km
Nominal voltage 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
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2,4 A
Current load capacity max. Wire (type 2)	6 A
Characteristic impedance	100 Ω - 5 % @ 100 MHz
Operating temperature min. (static)	-20 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °C
Operating temperature min. (drag chain)	-20 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	IEC 60332-1-2, UL 1581 § 1060
Oil resistance	IEC 60811-404
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	11 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	50 m @ 25 °C horizontal
Travel speed (C-track)	5 m/s @ 25 °C
Acceleration (C-track)	50 m/s ² @ 25 °C
Torsion stress	± 30 °/m