

## **DRIVE CLIQ CABLE**

Specification: 6FX5002-2DC10-1AE5

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

Male straight – male straight DRIVE-CLiQ IP67 – DRIVE CLiQ IP20

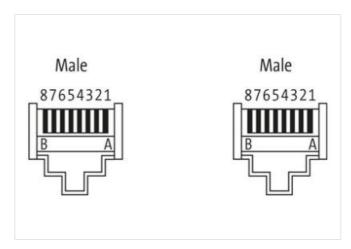
Further cable lengths on request.

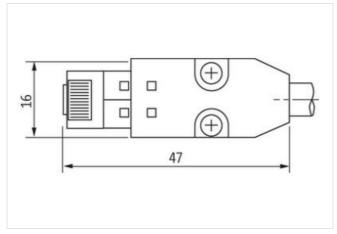
The resistance to aggressive media should be individually tested for your application. Further details on request.

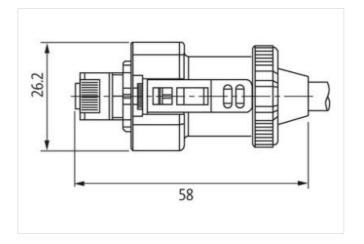
## **Link to Product**

## Illustration









Product may differ from Image

Cable length	4,5 m
Side 1	
Mounting method	pluggable
Family construction form	RJ45
Side 2	
Mounting method	pluggable
Commercial data	
ECLASS-6.0	27061801



stay connected

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
GTIN	4048879587334
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)
,	(green, yellow), (pink, blue), (red, black) PVC
wire arrangement	
wire arrangement Material jacket	PVC
wire arrangement  Material jacket  Freedom from ingredients (jacket)	PVC lead-free, CFC-free, silicone-free
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	PVC lead-free, CFC-free, silicone-free 6,95 mm
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 %
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Ingredient freeness wire insulation	PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4 1,03 mm
wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4 1,03 mm ± 5 %

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: 2024-05-19



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 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
Isolation resistance	1000 MΩ × 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.
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	0,5 m/s @ 25 °C