

## **DRIVE CLIQ CABLE**

Specification: 6FX5002-2DC10-1DB0

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

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

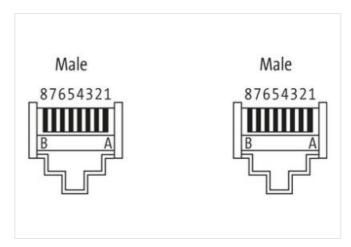
Further cable lengths on request.

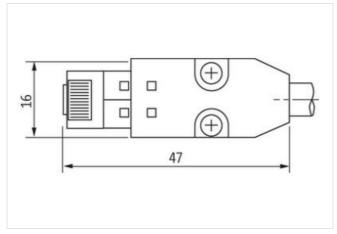
The resistance to aggressive media should be individually tested for your application. Further details on request.

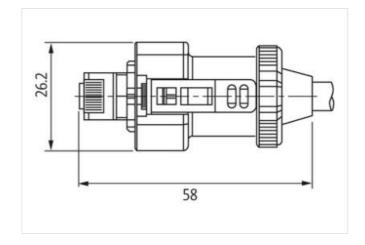
## **Link to Product**

## Illustration









Product may differ from Image

Cable length	31 m
Side 1	
Mounting method	pluggable
Side 2	
Mounting method	pluggable
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307



stay connected

ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC000830
customs tariff number	85444210
GTIN	4048879555845
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating current max.	1,76 A
	1,70 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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
Installation   Cable STOOW style jacket	Hybrid, Data, Power
	Hybrid, Data, Power
STOOW style jacket	881
STOOW style jacket  Cable identification  Jacket Color	• • • • • • • • • • • • • • • • • • • •
STOOW style jacket Cable identification Jacket Color Type of Certificate	881 green
STOOW style jacket  Cable identification  Jacket Color	881 green cURus
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding	881 green cURus 3
STOOW style jacket Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding (type 2)	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding	881 green cURus 3 2 wires with Filler twisted
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 %
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler	881  green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement	881  green  cURus  3  2 wires with Filler twisted  3 Stranded joints with Filler twisted  copper braid, tinned  85 %  yes  (green, yellow), (pink, blue), (red, black)
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)	green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 %
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	881  green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black)  PVC lead-free, CFC-free, silicone-free 6,95 mm
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	881 green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  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	green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4 1,03 mm ± 5 %
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  wire arrangement  Material jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation	green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4 1,03 mm
STOOW style jacket  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Filler  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	green cURus 3 2 wires with Filler twisted 3 Stranded joints with Filler twisted copper braid, tinned 85 % yes (green, yellow), (pink, blue), (red, black) PVC lead-free, CFC-free, silicone-free 6,95 mm ± 5 % PE 4 1,03 mm ± 5 % lead-free, CFC-free, halogen-free, silicone-free

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: 2024-05-20



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
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	2
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
Loop 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
Travel speed (C-track)	0,1 Mio.