MURR ELEKTRONIK
stay connected

DRIVE CLIQ CABLE

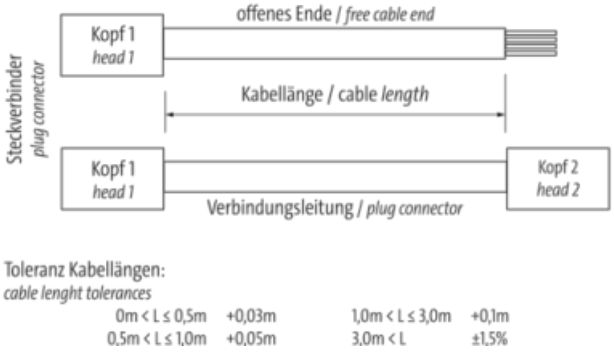
Specification: 6FX5002-2DC20-1BA0

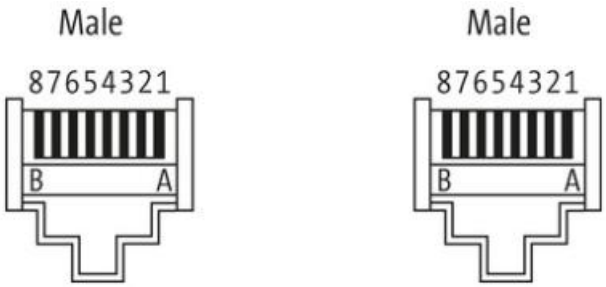
Art.No.: 7000-SS061-8811000
Weight: 0.807
Country of origin: DE
Model designation: M6FX5002-2DC20-1BA0

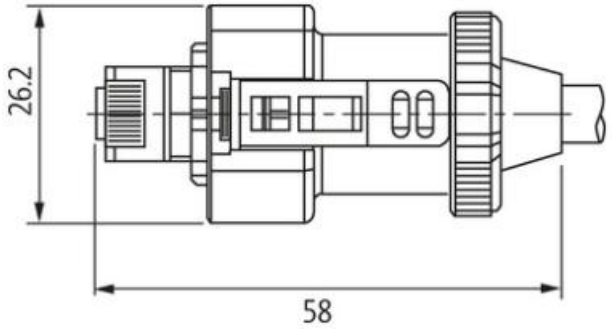
DRIVE-CLiQ signal cable for SINAMICS S120 and motors with DC 24 V wires
Male straight – male straight
DRIVE-CLiQ IP67 - DRIVE CLiQ IP67
Further cable lengths on request.
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration







Product may differ from Image

Cable length	10 m

Side 1

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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	4048879506465
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
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
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 %

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Filler	yes
wire arrangement	(green, yellow), (pink, blue), (red, black)
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free, silicone-free
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 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. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C | horizontal
Travel speed (C-track)	0,5 m/s @ 25 °C