

DRIVE CLIQ CABLE

Specification: 6FX5002-2DC10-1DA0

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 30 m

Side 1

Mounting method pluggable

Side 2

Mounting method pluggable

Commercial data

ECLASS-6.0 27061801

ECLASS-7.0 27061801

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|-----------------------|---------------|
| 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 | 4048879734196 |
| Packaging unit | 1 |

Electrical data | Supply

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|---------------------------|--------|
| Operating voltage AC max. | 30 V |
| Operating voltage DC max. | 30 V |
| Operating current max. | 1,76 A |

Device protection | Electrical

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| 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

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| Looking techniques | DRIVE-CLiQ |
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Environmental characteristics | Climatic

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| Operating temperature min. | -20 °C |
| Operating temperature max. | 80 °C |
| Additional condition temperature range | depending on cable quality |

Important installation notes

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| 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

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| STOOW style jacket | Hybrid, Data, Power |
| Cable identification | 881 |
| 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) |
| 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 |

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|---|--|
| 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. |