DS1-G48xxN-x General Regular Type (CANopen or Modbus) Cable Selection

Cable Drawing: DS1-G48xxN CANopen/Modbus通讯型

Accessories Specification Sheet					
Line Length	**Interface Number**	**Instructions**	**Interface Quantity**	**Accessory Specifications**	**Accessory Ordering Encoding**
1m	J1/J2	CANopen / Modbus	2	Cable Assembly - Communication Cable - 485 & CAN - 1m - Metal Mesh Connector - CAT5E Special Shielded Twisted Pair Cable - Characteristic Impedance 120Ω - Braiding Density 90%	15310066
	J12	Encoder	1	Cable Assembly - FLEX Series - General Encoder Cable - 1m - AWG28*20 Core Wire - DF50S-20DS-1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310111
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 1m - Mini USB - Shielded Cable - USB	15310082
	J8	Control Signal	1	Cable Assembly - FLEX 40-pin Interface Cable - 485 & CAN Version - 1m - DF50S-40DS-1C - AWG28*40 Core Wire - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310081
	Motor	Motor power line	1	Cable Assembly - FLEX UVW Cable - 1m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310084
	Motor	Motor power line		Cable Assembly - FLEX - UVW (28A) Cable - 1m - AWG13 * 3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310144
	Power	Power Supply	1	Cable Assembly - FLEX DC BUS Cable - 1m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310083
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 1m - AWG15 * 3 - core Cable - RV1.25 - 3.2 - Black - Cut	15310114
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 1m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310140
	J1/J2	CANopen / Modbus	2	Cable Assembly - Communication Cable - 485 & CAN - 3m - Metal Mesh Connector - CAT5E Special Shielded Twisted Pair Cable - Characteristic Impedance 120Ω - Braiding Density 90%	15310070
	J12	Encoder	1	Cable Assembly - FLEX Series - General Encoder Cable - 3m - AWG28*20 Core Wire - DF50S-20DS-1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310112
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 3m - Mini USB - Shielded Cable - USB	15310005
	J8	Control	1	Cable Assembly - FLEX 40-pin Interface Cable - 485 & CAN Version - 3m - DF50S-40DS-1C - AWG28*40 Core Wire - Shielded Twisted Pair -	15310089

3m		Signal		Braiding Density 90% - Characteristic Impedance 120Ω - Cut	
	Motor	Motor power line	1	Cable Assembly - FLEX UVW Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310092
	Motor	Motor power line		Cable Assembly - FLEX-UVW (28A) Cable - 3m-AWG13 * 3 Core Cable - OT5-3.2 - Black - Cut Off	15310145
	Power	Power Supply	1	Cable Assembly - FLEX DC BUS Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310091
	Power	Power Supply		Cable Assembly - FLEX-DC BUS + Capacitive Cable - 3m-AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310115
	Power	Power Supply		Cable Assembly-FLEX-DC BUS + Capacitor (28A) Cable-3m-AWG13 * 3-core Cable-OT5-3.2 - Black - Cut Off	15310141
5m	J1/J2	CANopen / Modbus	2	Cable Assembly - Communication Cable - 485 & CAN - 5m - Metal Mesh Connector - CAT5E Special Shielded Twisted Pair Cable - Characteristic Impedance 120Ω - Braiding Density 90%	15310074
	J12	Encoder	1	Cable Assembly - FLEX Series - Universal Encoder Cable - 5m - AWG28*20 Core - DF50S-20DS-1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310127
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 5m - Mini USB - Shielded Cable - USB	15310012
	J8	Control Signal	1	Cable Assembly - FLEX 40-pin Interface Cable - 485 & CAN Version - 5m - DF50S-40DS-1C - AWG28*40 Core Wire - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310097
	Motor	Motor power line	1	Cable Assembly - FLEX UVW Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310100
	Motor	Motor power line		Cable Assembly - FLEX - UVW (28A) Cable - 5m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310146
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310126
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310099
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 5m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310142
	J1/J2	CANopen / Modbus	2	Cable Assembly - Communication Cable - 485 & CAN - 10m - Metal Mesh Connector - CAT5E Special Shielded Twisted Pair Cable - Characteristic Impedance 120Ω - Braiding Density	15310078

				90%	
10m	J12	Encoder	1	Cable Assembly - FLEX Series - General Encoder Cable - 10m - AWG28*20 Core - DF50S-20DS-1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310129
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 10m - Mini USB - Shielded Cable - USB	15310019
	J8	Control Signal	1	Cable Assembly - FLEX 40-pin Interface Cable - 485 & CAN Version - 10m - DF50S-40DS-1C - AWG28*40 Core Wire - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310105
	Motor	Motor power line	1	Cable Assembly - FLEX UVW Cable - 10m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310108
	Motor	Motor power line		Cable Assembly - FLEX - UVW (28A) Cable - 10m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310147
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor Cable - 10m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310128
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 10m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310107
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 10m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310143
Heat sink (1 set of heat sink accessories = 4 screws + 1 thermal pad + 1 heat sink)					
		Screw	4	Standard Part - Phillips Head Screw - Round Head M2.5*5 - Carbon Steel Nickel Plated	15250016

If you need to make your own cable, the terminal model of the driver board end can be found in the DS1-G48xxN-x General常规型（CANopen or Modbus）接线引导与规范 document. Please strictly compare the terminal pin instructions in the document and wire correctly.

				M2.5	
20A		Screw	4	Standard Part - Phillips Head Screw - Round Head M2.5*5 - Carbon Steel Nickel Plated	15250016
		Thermal Pad	1	Thermal Pad - 0.08mm - Rectangular 55*43mm (Flex) - HI-FLOW 225UT - Non-perforated for heat conduction between baseplate and heatsink	21030011
		radiator	1	Aluminum Profile Heat Sink - 69*90*36mm - Black Anodized - Flex28A (FlexR20A) and Below - FLEX Universal Hole Rectangular Symmetric Distribution M2.5	21070008
radiator					
10Arms and below		radiator		Aluminum Profile Heat Sink - 69*90*36mm, including thermal pad and screws	P0101

		1		
20Arms	radiator		Aluminum Profile Heat Sink - 120*100*55mm, including thermal pad and screws	P0101
Shell				
Shell		1	Plastic Case - Nylon 7500 - Black - 58*46*19.5	21070038
Shell			Plastic Case - Nylon 7500 - Black - 58*46*19.5	21070012