DS1-G48xxM-x General Regular Type (CANopen or Modbus) Cable Selection

Cable Drawing: DS1-G48xxM线缆文档

Accessories Specification Sheet						
Line Length	**Interface Number**	**Instructions**	**Interface Quantity**	**Accessory Specifications**	**Accessory Ordering Encoding**	**Remarks**
1m	J1/J2	CANopen / Modbus	2	Cable Assembly - DE Series - Communication Cable - 485 & CAN Version - 1m - AWG28*8 Core Cable - Cut	15310148	
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 1m - Mini USB - Shielded Cable - USB	15310082	
	Motor	Motor power line	1	Cable Assembly - FLEX - UVW (28A) Cable - 1m - AWG13 * 3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310144	20-28Apeak (2.5 sq. cable)
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 1m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310084	20A peak and below (1.5 square cable)
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 1m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310140	20-28A peak (2.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 1m - AWG15 * 3 - core Cable - RV1.25 - 3.2 - Black - Cut	15310114	10-20A peak (1.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 1m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310083	10A peak and below (1.5 square cable)
	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	
	J8	Control Signal	1	Cable Assembly - DE Series - 40Pin Interface Cable - 1m - AWG28*40 Core Cable - Cut	15310168	
3m	J1/J2	CANopen / Modbus	2	Cable Assembly - DE Series - Communication Cable - 485 & CAN Version - 3m - AWG28*8 Core Cable - Cut	15310149	
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 3m - Mini USB - Shielded Cable - USB	15310005	
	Motor	Motor power line	1	Cable Assembly - FLEX-UVW (28A) Cable - 3m-AWG13 * 3 Core Cable - OT5-3.2 - Black - Cut Off	15310145	20-28Apeak (2.5 sq. cable)
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310092	20A peak and below (1.5 square cable)
	Power	Power Supply		Cable Assembly-FLEX-DC BUS + Capacitor (28A) Cable-3m-AWG13 * 3-core Cable-OT5-3.2 - Black - Cut Off	15310141	20-28A peak (2.5 square cable + capacitor)

	Power	Power Supply	1	Cable Assembly - FLEX-DC BUS + Capacitive Cable - 3m-AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310115	10-20A peak (1.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310091	10A peak and below (1.5 square cable)
	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	
	J8	Control Signal	1	Cable Assembly - DE Series - 40Pin Interface Cable - 3m - AWG28*40 Core Cable - Cut	15310169	
5m	J1/J2	CANopen / Modbus	2	Cable Assembly - DE Series - Communication Cable - 485 & CAN Version - 5m - AWG28*8 Core Cable - Cut	15310150	
	J5	Debug Interface	1	Cable Assembly - Mini USB Cable - 5m - Mini USB - Shielded Cable - USB	15310012	
	Motor	Motor power line	1	Cable Assembly - FLEX - UVW (28A) Cable - 5m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310146	20-28Apeak (2.5 sq. cable)
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310100	20A peak and below (1.5 square cable)
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 5m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310142	20-28A peak (2.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310126	10-20A peak (1.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310099	10A peak and below (1.5 square cable)
	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	
	J8	Control Signal	1	Cable Assembly - DE Series - 40Pin Interface Cable - 5m - AWG28*40 Core Cable - Cut	15310170	
	J1/J2	CANopen / Modbus	2	Cable Assembly - DE Series - Communication Cable - 485 & CAN Version - 10m - AWG28*8 Core Cable - Cut	15310151	
	Debug			Cable Assembly - Mini USB Cable - 10m - Mini		

💡 If you need to make your own cable, the terminal model of the driver board end can be found in the DS1-G48xxM-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.

10m	Power	Power Supply	1	(28A) Cable - 10m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310143	square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 10m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310128	10-20A peak (1.5 square cable + capacitor)
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 10m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310107	10A peak and below (1.5 square cable)
	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	
	J8	Control Signal	1	Cable Assembly - DE Series - 40Pin Interface Cable - 10m - AWG28*40 Core Cable - Cut	15310171	
radiator						
10Arms and below		radiator	1	Aluminum Profile Heat Sink - 69*90*36mm, including thermal pad and screws	P010102050301	
20Arms		radiator		Aluminum Profile Heat Sink - 120*100*55mm, including thermal pad and screws	P010102050302	