DS1-E48xxxM EtherCAT Communication Type Cable Selection

Cable Drawing: DS1-E48xxxM EtherCAT通讯型

Accessories Specification Sheet						
Line Length	**Interface Number**	**Instructions**	**Interface Quantity**	**Accessory Specifications**	**Accessory Ordering Encoding**	**Rem**
1m	J1/J9	EtherCAT	1	Cable Assembly - ECAT Cable - 1m - Standard Category 5e Ethernet Cable - Metal Connector	15310247	
			1	Cable Assembly - Communication Cascade Cable - 1m - CAT5E	15310467	
	J3	Debug Interface	1	USB to 485 Cable - 1m	15310557	
	Motor	Motor power line	1	Cable Assembly - FLEX - UVW (28A) Cable - 1m - AWG13 * 3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310144	20-28 (2.5 sq
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 1m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310084	20A pe belo square
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 1m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310140	20-28 (2.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 1m - AWG15 * 3 - core Cable - RV1.25 - 3.2 - Black - Cut	15310114	10-20 (1.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 1m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310083	10A pe belo square
	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	
	J4	Control Signal	1	Cable Assembly - FLEX - R1 - 50pin Interface Cable - Ethercat Version - 1m - AWG28 * 50 Core Wire - DF50S - 50DS - 1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310131	
	J1/J9	EtherCAT	1	Cable Assembly - ECAT Cable - 3m - Standard Category 5e Ethernet Cable - Metal Connector	15310248	
			1	Cable Assembly - Communication Cascade Cable -	15310468	

				3m - CAT5E		
3m	J3	Debug Interface	1	USB to 485 Cable - 3m	15310558	
	Motor	Motor power line	1	Cable Assembly - FLEX-UVW (28A) Cable - 3m-AWG13 * 3 Core Cable - OT5-3.2 - Black - Cut Off	15310145	20-28 (2.5 sq
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310092	20A pe belo square
	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 1m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310141	20-28 (2.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX-DC BUS + Capacitive Cable - 3m-AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310115	10-20 (1.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 3m - AWG15 * 3 Core Cable - RV25-3.2 - Black - Cut Off	15310091	10A pe belo square
	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	
	J4	Control Signal	1	Cable Assembly - FLEX - R1 - 50pin Interface Cable - Ethercat Version - 3m - AWG28*50 Core Wire - DF50S - 50DS - 1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310134	
	J1/J9	EtherCAT	1	Cable Assembly - ECAT Cable - 5m - Standard Category 5e Ethernet Cable - Metal Connector	15310249	
			1	Cable Assembly - Communication Cascade Cable - 5m - CAT5E	15310469	
	J3	Debug Interface	1	USB to 485 Cable - 5m	15310559	
	Motor	Motor power line	1	Cable Assembly - FLEX - UVW (28A) Cable - 5m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310146	20-28 (2.5 sq
	Motor	Motor power line		Cable Assembly - FLEX UVW Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310100	20A pe belo square
				Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 5m		20-28 (2.5 s

	Power	Power Supply		AWG13*3 Core Cable - OT2.5 - 3.2	15310142	cab
5m			1	- Black - Cut		capa
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310126	10-20A (1.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 5m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310099	10A pe belo square
	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	
	J4	Control Signal	1	Cable Assembly - FLEX - R1 - 50pin Interface Cable - Ethercat Version - 5m - AWG28 * 50 Core Wire - DF50S - 50DS - 1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310136	
	J1/J9	EtherCAT	1	Cable Assembly - ECAT Cable - 10m - Standard Category 5e Ethernet Cable - Metal Connector	15310250	
			1	Cable Assembly - Communication Cascade Cable - 10m - CAT5E	15310470	
		Debug				

> 💡 If you need to make your own cable, the terminal model at the drive board end is shown in DS1-E48xxx EtherCAT通讯型 接线引导与规范 document. Please strictly compare the terminal pin descriptions in the document and wire correctly.

	Motor	Motor power line		Cable - 10m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310108	belo square
10m	Power	Power Supply	1	Cable Assembly - FLEX - DC BUS + Capacitor (28A) Cable - 10m - AWG13*3 Core Cable - OT2.5 - 3.2 - Black - Cut	15310143	20-28A (2.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX - DC BUS + Capacitor Cable - 10m - AWG15*3 Core Cable - RV1.25 - 3.2 - Black - Cut	15310128	10-20A (1.5 s cab capa
	Power	Power Supply		Cable Assembly - FLEX DC BUS Cable - 10m - AWG15*3 Core Cable - RV1.25-3.2 - Black - Cut	15310107	10A pe belo square
				Cable Assembly - FLEX Series - General Encoder Cable - 10m -		

	J12	Encoder	1	AWG28*20 Core - DF50S-20DS-1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310129	
	J4	Control Signal	1	Cable Assembly - FLEX - R1 - 50pin Interface Cable - Ethercat Version - 10m - AWG28 * 50 Core Wire - DF50S - 50DS - 1C - Shielded Twisted Pair - Braiding Density 90% - Characteristic Impedance 120Ω - Cut	15310138	