

Cable choosing guide

No cables or software are included automatically and must always be added to the order.

Default parts for communication/setup

Offer these parts for communication/setup - all customers that purchase MAC motor®, MIS ServoStep™ or SMC controller should have 1 set:

MAC motors in general:

- RS232-USB2.0-1
- RS232-M12-1-5-8

For MAC motors with MAC00-Ex41:

- RS232-USB2.0-1
- RS232-M12-1-5-17

Optional alternative, using junction box for serial connection while customers IO's are connected:

- RS232-USB2.0-1
- RS232-M12-1-5-8
- PA0190

For MAC motors with MAC00-B42 or MAC00-R4:

- RS232-USB2.0-1
- RS232-M12-1-5-5

MIS motors and SMC66/85 controllers in general:

- RS485-USB-ATC-820
- RS485-M12-1-5-17

Optional alternative, using junction box for serial connection while customers IO's are connected:

- RS485-USB-ATC-820
- RS485-M12-1-5-8
- PA0190

Always offer:

- MACTALK_USB

Default cables to offer.

Standard lengths are 5 and 20 meter, but for some cables we offer 0.3, 1, 2 and 10 meter as well, and in rare cases other special lengths. By choosing the most standard, the price for these will be lower.

Length: WI1000-M12F5T05N 05 defines the length and is in this case 5 meter.

Orientation: Standard orientation is straight connectors and are suggested as well.

MIS with Ethernet:

Power and Ethernet cables:

- WI1000-M12F5T05N
- WI1046-M12M4T05TRJ45

Optional daisy-chain Ethernet cable for connection between the motors:

- WI1046-M12M4TM4T02T

Optional IO cable:

- WI1009-M12M17T05N

MIS with CANOpen (P6):

Power and CAN cables:

- WI1000-M12F5T05N
- WI1006-M12M5S05T

Optional daisy-chain CANOpen cable for connection between the motors:

- WI1006-M12M5TM5T01N

Optional IO cable:

- WI1009-M12M17T05N

MIS for IO (Q5):

Power cable:

- WI1000-M12F5T05N

Optional IO, RS485, RS422 cable all-in-one:

- WI1009-M12M17T05N

Optional IO, RS485 cable:

- WI1000-M12M8T05N

Optional RS485 cable:

- WI1000-M12M5T05N

Optional daisy-chain RS485 cable for connection between the motors:

- WI1006-M12M5TM5T01N

MAC with Ethernet:

Control power (and motor power for MiniMAC) and Ethernet cables:

- WI1000-M12F5T05N
- WI1046-M12M4T05TRJ45

Optional daisy-chain Ethernet cable for connection between the motors:

- WI1046-M12M4TM4T02T

Optional IO cable:

- WI1000-M12M8T05N - for MAC00-Ex4
- WI1009-M12M17T05N - for MAC00-Ex41

Power cables MAC400..4500

Part#	Supported motors	Connector	Supply	Notes
WP0005	MAC400 + MAC800..1200 with M16	M16	115/230VAC	For MAC800..1200: see manual for 115VAC use.
WP0405	MAC400 + MAC800..1200 with M16	M16	230VAC	
WP0102	MAC400	M16	PD+DC bus	
WP0505	MAC402	M16	12-48VDC	
WP3405	MAC1500..4500	M23	400VAC (230VAC)	Designed for 3x400VAC but can be used with 1x230
WP4105	MAC1500..4500	M23	PD+DC bus	

Other cables

STO:

WI1010-M08M4T05P	Straight	4 pin for all MIS and modern MAC motor®
WI1010-M08M4V05P	Angle	4 pin for all MIS and modern MAC motor®
WI1010-M08M4STO	Disable plug	Only used for testing

Brake (external):

WI1000-M8F4A05N	Open end	
WI1013-M12M17TF4T.4N	M12 to M8	For MIS only
WI1013-M12M17TF4TXAA	M12 to M8 + 2 meter open end IO 1-3	For MIS only

All the above information is saved as a PDF file and placed on the webpage under each product.