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Find the *Newport MMCable-3* at our website: ***Click HERE***

Accessories

Controller/Driver Cables



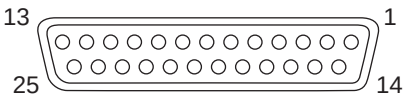
- Standard interface between Newport ESP compatible stepper and DC motor stages and controllers
- Shielded to protect sensitive signals
- Longer standard lengths to replace 3 m cable included with stages

For applications where the standard 3m cable included with your stage is not adequate, Newport offers longer length cables designed to ensure the integrity of your positioning application. These cables are specially shielded and terminated with Newport's standard 25-pin or 15-pin D-Sub connectors.

Compatibility

Please contact Newport to check the signal-compatibility of cable lengths over 5 meters.

DB-25



Ordering Information

Model	Description
MMCABLE-3	3 m Cable, DB-25 Male - DB-25 Female
MMCABLE-5	5 m Cable, DB-25 Male - DB-25 Female
MMCABLE-7*	7 m Cable, DB-25 Male - DB-25 Female
MMCABLE-10*	10 m Cable, DB-25 Male - DB-25 Female
MMCABLE-REG	5 V Regulator
MSCABLE-3	3 m Cable, DB-25 Male - DA-15 Female
MSCABLE-10	10 m Cable, DB-25 Male - DA-15 Female

* MMCABLE-REG requried to ensure a high quality, regulated 5 V supply to the stage. For best efficiency, this regulator should be set on the stage connector to re-adjust the 5 volts coming from the controller through the long cable.

STEPPER MOTOR CONNECTORS

PIN	FUNCTION	PIN	FUNCTION
1	MOTOR PH 1	15	INDEX
2	MOTOR PH 1	16	LIMIT GROUND
3	MOTOR PH 2	17	+ TRAVEL LIMIT
4	MOTOR PH 2	18	– TRAVEL LIMIT
5	MOTOR PH 3	19	ENCODER A
6	MOTOR PH 3	20	ENCODER B
7	MOTOR PH 4	21	+5 VOLTS
8	MOTOR PH 4	22	ENCODER GROUND
9	COMM. 3-4	23	ENCODER $\overline{A}$
11	COMM. 1-2	24	ENCODER $\overline{B}$
13	ORIGIN	25	/INDEX
14	SHLD GND		

DC MOTOR CONNECTORS

PIN	FUNCTION	PIN	FUNCTION
1	TACHOMETER +	16	LIMIT GROUND
2	TACHOMETER +	17	+ TRAVEL LIMIT
3	TACHOMETER –	18	– TRAVEL LIMIT
4	TACHOMETER –	19	ENCODER A
5	MOTOR +	20	ENCODER B
6	MOTOR +	21	+5 VOLTS
7	MOTOR –	22	ENCODER GROUND
8	MOTOR –	23	ENCODER $\overline{A}$
13	ORIGIN	24	ENCODER $\overline{B}$
14	SHLD GND	25	/INDEX
15	INDEX		

Stage Motors

Stage Motor Technical Information

All motorized Newport stages are optimized for use with Newport's motion controllers and motor drivers to ensure plug-and-play compatibility, reliability and the ability to meet stated stage performance specifications. Occasionally, however, our controllers may not be appropriate for your specific application. In cases like these, the specific motor specifications are included in the motorized stage manual to facilitate using non-Newport controllers and drivers.

In so doing, Newport cannot guarantee achieving the published performance specifications or reliability and cautions users to ensure that all motion requirements are well understood before proceeding. To avoid accidental damage to Newport stages and motors, we do not recommend using this information unless you are very familiar with motion controller electronics and motor driver design. Please consult our Applications Engineers for more information.

To download stage manuals, visit: ftp://download.newport.com/MotionControl/Current/PositionerManuals/

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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