MT1_PLC Cable
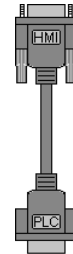
The MT1_PLC cable is designed to convert the MMI6050 PLC RS232 pinout to the same configuration as the other MMI touchscreen PLC RS232 port pinouts. This allows the use of Standard Cables that utilize RS232 communications to a PLC.

HMI
RS232

MMI to PLC RS232, MT1_PLC Cable Configuration

Connect to MMI (HMI) RS232/485 [PLC] DB9 Male Port or MT5_PC Cable PLC end.	Connect to Controller (PLC) DB9 Male RS232 Port, Adapter cable or SMIC Cable.
1 ~ 4, 6, 9 Not used	1, 4, 6 ~ 9 Not used
5 GND →	5 GND
6 TxD →	2 TxD
9 RxD →	3 RxD

Observe markings on cable connectors for proper device connection.
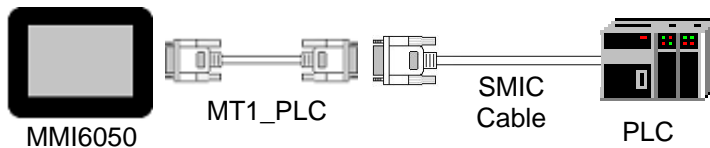
PLC
RS232

CONNECTION TO A CONTROLLER

Cable Requirements

The MT1_PLC is used as an adaptor cable to the PLC's interface cable. Different cables are required for various devices. See the EasyBuilder8000 Help menu for **Controller Specific Information** Section for cable details.

- Restrict cable length to avoid communications problems due to weak signals. Recommended distance for RS232 is less than 50' (15m)
- Shielded cable must be used for long lengths or cables run in an electrically noisy environment.
- Do not run cables next to AC power lines or near sources of electrical noise.
- Be sure that the cable ends have been inserted all of the way into mating connectors and are secure.

MMI6050   MT1_PLC   SMIC Cable   PLC

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