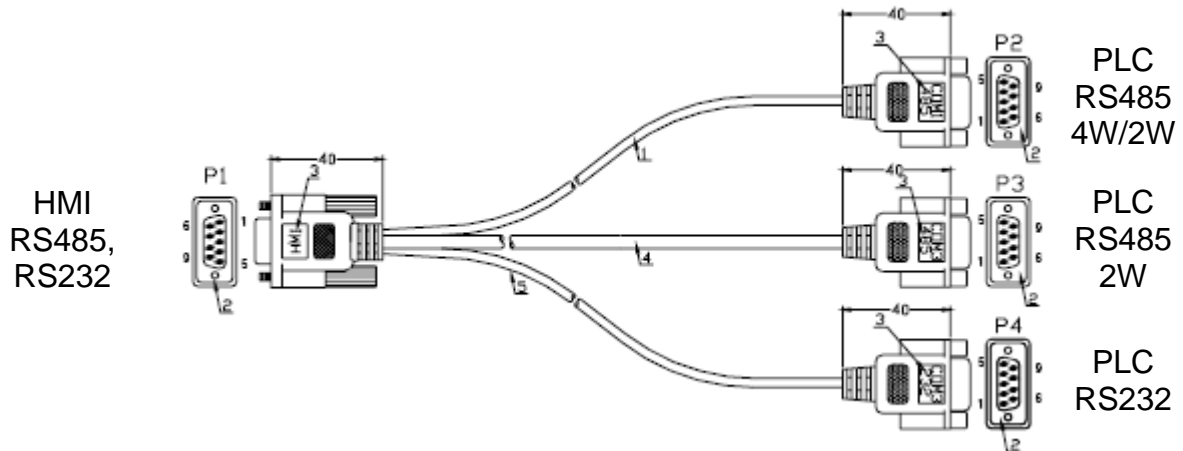# MT8-COM3 Cable

The MT8-COM3 cable is designed to break out an MMI8000 Series RS485 COM1, COM3 RS232 COM3 ports to 3 separate connections. This allows the use of Standard DB9 Cables that utilize RS232/485 communications to a PLC.

MMI to PLC RS485/232, MT8-COM1 Cable Configuration

Connect to MMI (HMI) COM1, COM3 [RS485] COM3 [RS232] DB9 Male	COM1 Port DB9 Male RS485 4 wire or 2 wire	COM3 Port DB9 Male RS485 2 wire	COM3 Port DB9 Male RS232
1 Rx- →	1 Rx-		
2 Rx+ →	2 Rx+		
3 Tx- →	3 Tx-		
4 Tx+ →	4 Tx+		
5 GND →	5 GND →	5 GND →	5 GND
6 Rx/Tx→		1 Rx/Tx	
7 TxD →			3 TxD
8 RxD →			2 RxD
9 Rx/Tx →		2 Rx/Tx	

Observe markings on cable connectors for proper device connection.

Cable labeled with manufacturer's part number RZC004850

CONNECTION TO A CONTROLLER

Cable Requirements

The MT8-COM1 is used as an adapter 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 RS485 is less than 4000' (1219m)
  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.

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