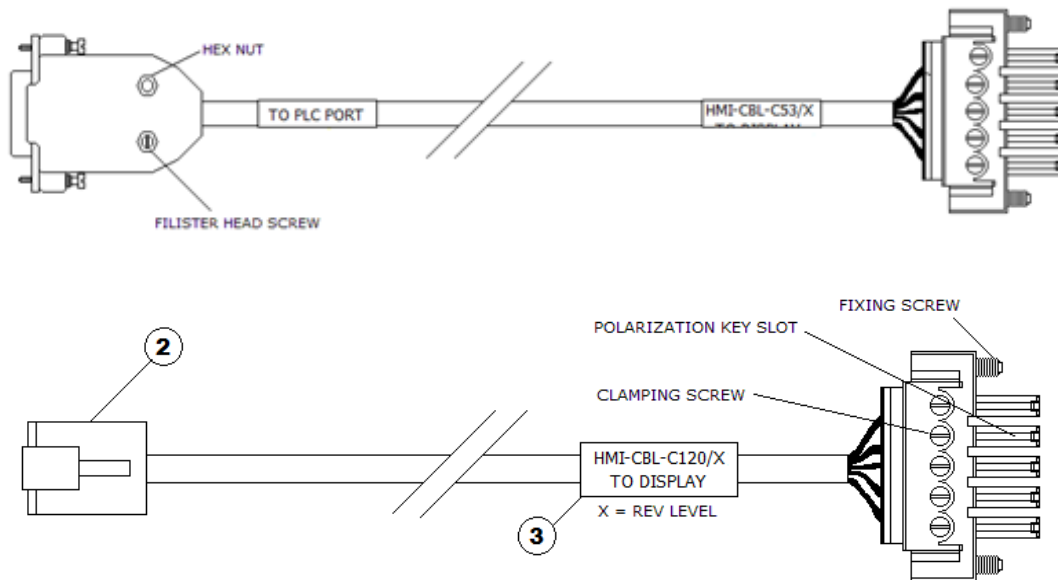


# Quick Panel<sup>+</sup>™

## OPERATOR INTERFACE - SERIAL CABLES



## Serial Cable Availability

Here are the serial cables available for the Quick Panel+ Operator Interface. All cables are 12 feet long:

Quick Panel+ Serial Cables	Part Number	Description	Compatibility*
	HML-CBL-C52	IBM AT 9Pin Comm, RS-232	ALL
	HML-CBL-C53	CMM 25Pin Female Connector, RS-232	ALL
	HML-CBL-C82	Programming Port, 15-Pin Male, RS-422	All but 6" and 7"
	HML-CBL-C93	Emerson CMM SNP-RS-422	All but 6" and 7"
	HML-CBL-C111	VersaMax CPU001, 002, 005, 9Pin, RS-232	All
	HML-CBL-C119	VersaMax Micro/Nano, 8Pin RJ45 Serial RS-232	All
	HML-CBL-C120	Series 90/30 CPU351, 352, 353, RJ11 Serial RS-232	All

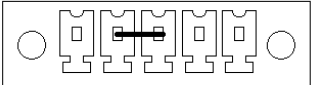
\*Serial cables are incompatible with 10 pin serial connectors on IC755CBS12CDA and IC755CSS12CDA

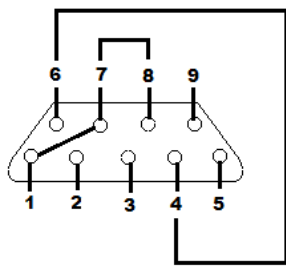
## Serial Cable Connectivity

Here is a list serial cables for the Quick Panel+ Operator Interface and the components they can connect to:

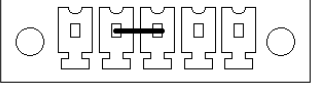
PLC Manufacturer	PLC Type	Part Number	Description	Life Cycle
Allen Bradley	SLC5/03,5/04, ControlLogix PLC-5	HMI-CBL-C52	Channel 0, 9-pin Female, RS-232	Active
		HMI-CBL-C53	Channel 0, 25-pin Male, RS-232	Active
Automation Direct	DL305 & DL405 W/25Pin Comm. Port	HMI-CBL-C53	Programming Port, 25-pin Male, RS-232	Active
	Series 90 CMM Module	HMI-CBL-C53	25-pin Male, RS-232	Active
		HMI-CBL-C93	25-pin Male, RS-422	Active
Emerson	Series 90-30 & 90-70 Series 90-30 CPU351, 352, 363	HMI-CBL-C82 HMI-CBL-C120	Programming Port, 15-pin Male, RS-422 Program Port, 6-pin Male, RJ-11, RS-232	Active Active
	VersaMax CPU001, 002, 005	HMI-CBL-C111	Program Port, 9-pin Male, RS-232	Active
	VersaMax Nano/Micro	HMI-CBL-C119	Program Port, 8-pin Male, RJ-45, RS-232	Active
Mitsubishi	Series A	HMI-CBL-C53	25-pin Male, RS-232	Active
Modicon	984 A, B, X	HMI-CBL-C53	25-pin Male, RS-232	Active
Omron	C200H	HMI-CBL-C53	25-pin Male, RS-232	Active

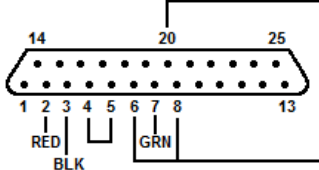
## HMI-CBL-C52

5 Way terminal block connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD	BLACK	 <p>5PIN TERMINAL BLOCK BACK VIEW</p>
2	RXD	RED	
3	RTS	JUMPER WIRE (FIND No.8)	
4	CTS	JUMPER WIRE (FIND No.8)	
5	SGND	GREEN	

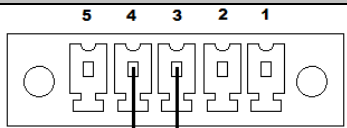
9PIN D-Connector connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	DCD	JUMPER WIRE (FIND No.8)	 <p>9PIN FEMALE BACK VIEW</p>
2	RXD	BLACK	
3	TXD	RED	
4	DTR	JUMPER WIRE (FIND No.8)	
5	SGND	GREEN	
6	DSR	JUMPER WIRE (FIND No.8)	
7	RTS	JUMPER WIRE (FIND No.8)	
8	CTS	JUMPER WIRE (FIND No.8)	
9	RI	NO CONNECTION	

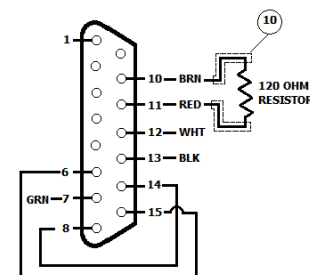
## HMI-CBL-C53

5way terminal block connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD	BLACK	 <p>5PIN TERMINAL BLOCK BACK VIEW</p>
2	RXD	RED	
3	RTS	JUMPER WIRE (FIND No.8)	
4	CTS	JUMPER WIRE (FIND No.8)	
5	SGND	GREEN	

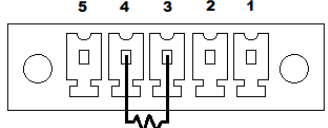
25PIN D connector connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	-	NO CONNECTION	 <p>25PIN MALE BACK VIEW</p>
2	TXD	RED	
3	RXD	BLACK	
4	RTS	JUMPER WIRE (FIND No.8)	
5	CTS	JUMPER WIRE (FIND No.8)	
6	DSR	JUMPER WIRE (FIND No.8)	
7	SGND	GREEN	
8	DCD	JUMPER WIRE (FIND No.8)	
9 to 13	-	NO CONNECTION	
14 to 19	-	NO CONNECTION	
20	DTR	JUMPER WIRE (FIND No.8)	
21 to 25	-	NO CONNECTION	

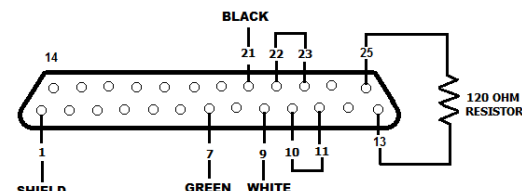
## HMI-CBL-C82

5 Way Terminal Block Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD+	RED	 <p>120R RESISTOR</p> <p><b>5PIN TERMINAL BLOCK BACK VIEW</b></p>
2	TXD-	BROWN	
3	RXD+	BLACK + RES	
4	RXD-	WHITE + RES	
5	SGND	GREEN	

15 Pin Male Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	-	NO CONNECTION	 <p>120 OHM RESISTOR</p> <p><b>15 PIN MALE BACK VIEW</b></p>
2 to 5	-	NO CONNECTION	
6	RTS-	JUMPER WIRE (FIND No.8)	
7	SGND	GREEN	
8	CTS+	JUMPER WIRE (FIND No.8)	
9	-	NO CONNECTION	
10	RXD-	BROWN + 120Ω RES	
11	RXD+	RED + 120Ω RES	
12	TXD-	WHITE	
13	TXD+	BLACK	
14	RTS+	JUMPER WIRE (FIND No.8)	
15	CTS-	JUMPER WIRE (FIND No.8)	

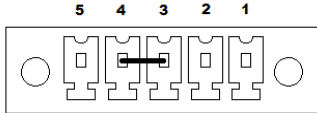
## HMI-CBL-C93

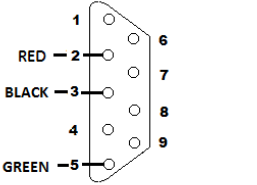
5 Way Terminal Block Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD+	RED	 <p>120R RESISTOR</p> <p><b>5PIN TERMINAL BLOCK BACK VIEW</b></p>
2	TXD-	BROWN	
3	RXD+	BLACK + RES	
4	RXD-	WHITE + RES	
5	SGND	GREEN	

25pin Male Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1 to 6	-	NO CONNECTION	 <p>120 OHM RESISTOR</p> <p><b>25 PIN MALE BACK VIEW</b></p>
7	SGND	GREEN	
8	-	NO CONNECTION	
9	TXD-	WHITE	
10	RTS-	JUMPER WIRE (FIND No.8)	
11	CTS-	JUMPER WIRE (FIND No.8)	
12	-	NO CONNECTION	
13	RXD-	BROWN + RESISTOR	
14 to 20	-	NO CONNECTION	
21	TXD+	BLACK	
22	-	NO CONNECTION	
23	-	NO CONNECTION	
24	-	NO CONNECTION	
25	-	NO CONNECTION	

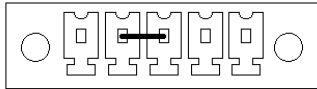
25pin Male Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
22	RTS+	JUMPER WIRE (FIND No.8)	
23	CTS+	JUMPER WIRE (FIND No.8)	
24	-	NO CONNECTION	
25	RX+	RED + RESISTOR	

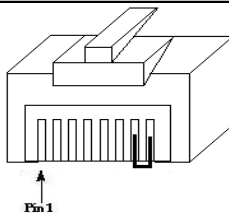
## HMI-CBL-C111

5 Way Terminal Block Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD	BLACK	 <p>5 4 3 2 1</p> <p>5PIN TERMINAL BLOCK BACK VIEW</p>
2	RXD	RED	
3	RTS	JUMPER WIRE (FIND NO.8)	
4	CTS	JUMPER WIRE (FIND NO.8)	
5	SGND	GREEN	

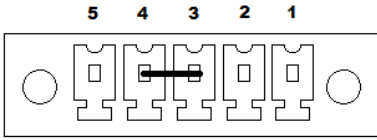
9 Pin Male Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	-	NO CONNECTION	 <p>1 6</p> <p>RED - 2</p> <p>BLACK - 3</p> <p>4</p> <p>GREEN - 5</p> <p>7 8 9</p> <p>9PIN MALE BACK VIEW</p>
2	TXD	RED	
3	RXD	BLACK	
4	-	NO CONNECTION	
5	SGND	GREEN	
6	-	NO CONNECTION	
7	-	NO CONNECTION	
8	-	NO CONNECTION	
9	-	NO CONNECTION	

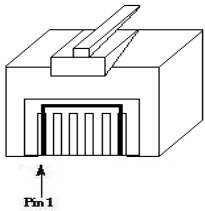
## HMI-CBL-C119

5 Way Terminal Block Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD	BLACK	 <p>5 4 3 2 1</p> <p>5PIN TERMINAL BLOCK BACK VIEW</p>
2	RXD	RED	
3	RTS	JUMPER WIRE (FIND NO.8)	
4	CTS	JUMPER WIRE (FIND NO.8)	
5	SGND	GREEN	

RJ-45 Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	RTS	JUMPER WIRE (FIND NO.5)	 <p>Pin 1</p>
2	CTS	JUMPER WIRE (FIND NO.5)	
3	RXD	BLACK	
4	TXD	RED	
5	-	NO CONNECTION	
6	-	NO CONNECTION	
7	-	NO CONNECTION	
8	SGND	GREEN	

## HMI-CBL-C120

5 Way Terminal Block Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	TXD	BLACK	 <p><b>5PIN TERMINAL BLOCK BACK VIEW</b></p>
2	RXD	RED	
3	RTS	JUMPER WIRE (FIND No.5)	
4	CTS	JUMPER WIRE (FIND No.5)	
5	SGND	GREEN	

RJ-45 Connector Connection			
Pin Number	Signal Name	Cable Color	Pin-out
1	CTS	JUMPER WIRE (FIND No.5)	
2	TXD	RED	
3	-	NO CONNECTION	
4	SGND	GREEN	
5	RXD	BLACK	
6	RTS	JUMPER WIRE (FIND No.5)	

### Technical Support & Contact Information:

Home link: <http://www.Emerson.com/Industrial-Automation-Controls>

Knowledge Base: <https://www.emerson.com/Industrial-Automation-Controls/support>

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