

# C-more Micro Communication Cables and Cable Kits

Company Information

Control Systems Overview

CLICK PLC

Do-More PLCs Overview

Do-More H2 PLC

Do-More T1H PLC

DirectLOGIC PLCs Overview

DirectLOGIC DL05/06

DirectLOGIC DL105

DirectLOGIC DL205

DirectLOGIC DL305

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Productivity Controller Overview

Productivity 3000

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Cable Description	Cable Part Number	Price
<b>Cables used with RJ-12 RS-232 serial Port1</b>		
AutomationDirect Productivity Series, Do-more, CLICK, DirectLOGIC PLC RJ-12 port, DL05, DL06, DL105, DL205, D3-350, D4-450 & H2-WinPLC (RS-232C) 3.66m (12ft) cable length	<b>D0-CBL</b>	\$19.00
DirectLOGIC (VGA Style) 15-pin port, DL06, D2-250 (250-1), D2-260 (RS-232C) Use with D0-CBL cable.	<b>FA-15HD</b>	\$8.00
DirectLOGIC PLC 15-pin D-sub port, DL405 (RS-232C) Use with D0-CBL cable.	<b>FA-CABKIT</b>	\$40.00
DirectLOGIC PLC RJ-11 port, D3-340 (RS-232C) 2m (6.56 ft) cable length	<b>OP-3CBL-1</b>	\$6.00
<b>Cables used with 15-pin RS-232/422/485 serial Port2</b>		
AutomationDirect Productivity Series, Do-more, CLICK, DirectLOGIC PLC RJ-12 port, DL05, DL06, DL105, DL205, D3-350, D4-450 & H2-WinPLC (RS-232C) 3m (9.8 ft) cable length	<b>EA-2CBL</b>	\$20.00
DirectLOGIC (VGA Style) 15-pin port, DL06, D2-250 (250-1), D2-260 (RS-232C) 3m (9.8 ft) cable length	<b>EA-2CBL-1</b>	\$20.00
DirectLOGIC PLC RJ-11 port, D3-340 (RS-232C). 3m (9.8 ft) cable length	<b>EA-3CBL</b>	\$20.00
DirectLOGIC DL405 PLC 15-pin D-sub port, DL405 (RS-232C). 3m (9.8 ft) cable length	<b>EA-4CBL-1</b>	\$20.00
DirectLOGIC PLC 25-pin D-sub port, DL405, D3-350, DL305 DCU and all DCM's (RS-232C). 3m (9.8 ft) cable length	<b>EA-4CBL-2</b>	\$20.00
Allen-Bradley MicroLogix 1000, 1100, 1200, 1400 & 1500 (RS-232C) 3m (9.8 ft) cable length	<b>EA-MLOGIX-CBL</b>	\$30.00
Allen-Bradley SLC 5-03/04/05, ControlLogix, CompactLogix, FlexLogix DF1 port (RS-232C) 3m (9.8 ft) cable length	<b>EA-SLC-232-CBL</b>	\$20.00
Allen-Bradley PLC-5 DF1 port (RS-232C) 3m (9.8 ft) cable length	<b>EA-PLC5-232-CBL</b>	\$20.00
Allen-Bradley MicroLogix, SLC-5-01/02/03, PLC5 DH485 port (RS-232C) 3m (9.8 ft) cable length	<b>EA-DH485-CBL</b>	\$20.00
GE 90/30 and 90/70, Micro 90, VersaMax Micro (Port 2) 15-pin D-sub port (RS-422A) 3m (9.8 ft) cable length	<b>EA-90-30-CBL</b>	\$20.00
mitsubishi FX Series 25-pin port (RS-422A) 3m (9.8 ft) cable length	<b>EA-MITSU-CBL</b>	\$20.00
mitsubishi FX Series 8-pin, mini-DIN (RS-422A) 3m (9.8 ft) cable length	<b>EA-MITSU-CBL-1</b>	\$20.00
OMRON Host Link C200 Adapter, C500 (RS-232C) 3m (9.8 ft) cable length	<b>EA-OMRON-CBL</b>	\$20.00
<b>EA3-T8CL and EA3-T10CL cannot be powered by a PLC and cannot communicate with a PLC through the USB Programming Port.</b>		
<b>Note: Adding the optional EA-ECOM module allows communication via an Ethernet connection (EA3 series only).</b>		



D0-CBL



OP-3CBL-1



FA-15HD



FA-CABKIT



EA-2CBL-1



EA-2CBL



EA-4CBL-1



EA-3CBL



EA-MLOGIX-CBL



EA-4CBL-2



EA-PLC5-232-CBL



EA-SLC-232-CBL



EA-DH485-CBL



EA-90-30-CBL



EA-MITSU-CBL



EA-MITSU-CBL-1



EA-OMRON-CBL

# C-more Micro Communication Protocols & Cabling Chart

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Serial Compatibility & Connection Chart								
PLC			C-more Micro Panel					
Family	CPU	PLC Port & Type	Using panel's RJ12 Port1**		Using panel's Port2** DB 15-pin - female			
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type		
CLICK	all versions	Port 1 RJ12 - 6 pin	Modbus (CLICK)	D0-CBL RS-232	Modbus (CLICK)	EA-2CBL RS-232		
		Port 2 RJ12 - 6 pin						
	Analog CPU's	Port3 Term block 3-pin		N/A		* See Note RS-485		
Productivity Series	all versions	RS-232 RJ12 - 6 pin	Productivity3000 Serial (P3-550)	D0-CBL RS-232	Productivity3000 Serial (P3-550)	EA-2CBL RS-232		
		RS-485 Port Term block 3-pin						N/A
Do-more	all versions	RS-232 RJ12 - 6 pin	Do-more Serial, K-sequence, Modbus RTU	D0-CBL RS-232	Do-more Serial, K-sequence, Modbus RTU	EA-2CBL RS-232		
	H2-SERIO	RS-232 RJ12 - 6 pin						
	H2-SERIO-4	RS-232 RJ12 - 6 pin						
Entivity	H2-WinPLC	RS-232 RJ12 - 6 pin	Entivity Modbus RTU Modbus RTU	D0-CBL RS-232	Entivity Modbus RTU Modbus RTU	EA-2CBL RS-232		
	H2-SERIO	RS-232 RJ12 - 6 pin						
	H2-SERIO-4	RS-232 RJ12 - 6 pin						
DirectLOGIC DL05	all versions	Port 1 RJ12 - 6 pin	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232		
		Port 2 RJ12 - 6 pin						
	D0-DCM	Port 1 RJ12 - 6 pin	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL-1 RS-232		
		Port 2 DB15HD (female)					D0-CBL + FA-15HD RS-232	* See Note RS-422
				Modbus RTU	* See Note RS-485 Modbus only			
DirectLOGIC DL06	all versions	Port 1 RJ12 - 6 pin	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232		
		Port 2 DB15HD (female)					D0-CBL + FA-15HD RS-232	EA-2CBL-1 RS-232
	D0-DCM	Port 1 RJ12 - 6 pin	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232		
		Port 2 DB15HD (female)					D0-CBL + FA-15HD RS-232	EA-2CBL-1 RS-232
				Modbus RTU	* See Note RS-485 Modbus only			
DirectLOGIC DL105	all versions	Port 1 RJ12 - 6 pin	K-sequence	D0-CBL RS-232	K-sequence	EA-2CBL RS-232		

\* Note: See the C-more Micro Hardware User Manual (P/N: EA3-USER-M), Chapter 6: PLC Communications, for wiring diagrams that the user can use to construct their own cables. The manual is available for download at [www.automationdirect.com](http://www.automationdirect.com).

\*\*Note: These charts apply to all current C-more Micro panels except 3" models. The 3" panels include only the RJ12 Port1. Optional accessory for 3" models EA-MG-SP1 provides the DB 15-pin Port2. 3" models may be powered through Port1 when connected to an AutomationDirect PLC which provides 5VDC using a cable such as DV-1000CBL that properly carries the 5VDC. All other panels require an external power supply. Refer to the 3" Communication and Cabling Chart starting on page CK-24 for cabling options.

PLC Compatibility & Connection Chart continued on next page.

# C-more Micro Communication Protocols & Cabling Chart (cont'd)

Serial Compatibility & Connection Chart							
PLC			C-more Micro Panel				
Family	CPU	Port & Type	Using panel's RJ12 port 1**		Using panel's Port2** DB 15-pin - female		
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type	
<b>DirectLOGIC DL205</b>	D2-230	Port 1 RJ12 - 6 pin	K-sequence	D0-CBL RS-232	K-sequence	EA-2CBL RS-232	
	D2-240	Port 1 RJ12 - 6 pin	K-sequence	D0-CBL RS-232	K-sequence	EA-2CBL RS-232	
		Port 2 RJ12 - 6 pin	K-sequence, Direct NET,		K-sequence, Direct NET,		
	D2-250-1	D2-250-1	Port 2 DB15HD (female)	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232
					D0-CBL + FA-15HD RS-232		EA-2CBL-1 RS-232  * See Note RS-422
	D2-260	Port 1 RJ12 - 6 pin	Port 2 DB15HD (female)	K-sequence, Direct NET, Modbus RTU	D0-CBL RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232
					D0-CBL + FA-15HD RS-232		EA-2CBL-1 RS-232  * See Note RS-422
	D2-DCM	Port 1 DB 25 pin (female)		K-sequence, Direct NET, Modbus RTU	*See Note RS-232	Direct NET	EA-4CBL-2 RS-232  * See Note RS-422
WINPLC	Port 1 RJ12 - 6 pin		Modbus RTU	D0-CBL RS-232	Modbus RTU	EA-2CBL RS-232	
<b>DirectLOGIC DL305</b>	D3-330 or D3-340	D3-232-DCU DB 25 pin (female)	Direct NET	D0-CBL +FA-CABKIT RS-232	Direct NET	EA-4CBL-2 RS-232	
		D3-422-DCU DB 25 pin (female)	N/A		Direct NET	*See Note RS-422	
	D3-340	Port 1 RJ11 - 4 pin	Port 2 RJ11 - 4 pin	Direct NET	OP-3CBL-1 RS-232	Direct NET	EA-3CBL RS-232
		Direct NET, Modbus RTU		Direct NET, Modbus RTU			
	D3-350	Port 1 RJ12 - 6 pin	Port 2 DB 25 pin (female)	K-sequence, Direct NET	D0-CBL RS-232	K-sequence, Direct NET	EA-2CBL RS-232
				K-sequence, Direct NET, Modbus RTU	*See Note RS-232	K-sequence, Direct NET, Modbus RTU	EA-4CBL-2 RS-232  * See Note RS-422
D3-DCM D3-350 only	Port 1 DB 25 pin (female)		K-sequence, Direct NET, Modbus RTU	*See Note RS-232	Direct NET	EA-4CBL-2 RS-232  * See Note RS-422	

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**PLC Compatibility & Connection Chart continued on next page.**

# C-more Micro Communication Protocols & Cabling Chart (cont'd)

Serial Compatibility & Connection Chart						
PLC			C-more Micro Panel			
Family	CPU	Port & Type	Using panel's RJ12 port 1**		Using panel's Port2** DB 15-pin - female	
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type
<b>DirectLOGIC DL405</b>	D4-430	Port 0 DB 15 pin (female)	K-sequence	D0-CBL & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET	D0-CBL & FA-CABKIT RS-232	K-sequence, DirectNET	EA-4CBL-2 RS-232 *See Note RS-422
	D4-440	Port 0 DB 15 pin (female)	K-sequence	D0-CBL & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET	D0-CBL & FA-CABKIT RS-232	K-sequence, DirectNET	EA-4CBL-2 RS-232 *See Note RS-422
	D4-450	Port 0 DB 15 pin (female)	K-sequence	D0-CBL & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET, Modbus RTU	D0-CBL & FA-CABKIT RS-232	K-sequence, DirectNET, Modbus RTU	EA-4CBL-2 RS-232 *See Note RS-422
		Port 3 DB 25 pin (female)	N/A		K-sequence, DirectNET, Modbus RTU	*See Note RS-422
		Port 2 RJ12 - 6 pin	K-sequence, DirectNET	D0-CBL RS-232	K-sequence, DirectNET	EA-2CBL RS-232
	D4-DCM	Port 1 DB 25 pin (female)	K-sequence, DirectNET, Modbus RTU	*See Note RS-232	DirectNET	EA-4CBL-2 RS-232 *See Note RS-422
	<b>SOLO</b>	N/A	Data +/- terminals	N/A		SOLO Temperature Controller
<b>GS Drives</b>	N/A	RS-485 Interface	N/A		GS Drives Serial GS Drives TCP/IP (GS-EDRV)	*See Note RS-485
<p><b>* Note: See the C-more Micro Hardware User Manual (P/N: EA3-USER-M), Chapter 6: PLC Communications, for wiring diagrams that the user can use to construct their own cables. The manual is available for download at <a href="http://www.automationdirect.com">www.automationdirect.com</a>.</b></p> <p><b>**Note: These charts apply to all current C-more Micro panels except 3" models. The 3" panels include only the RJ12 Port1. Optional accessory for 3" models EA-MG-SP1 provides the DB 15-pin Port2. 3" models may be powered through Port1 when connected to an AutomationDirect PLC which provides 5VDC using a cable such as DV-1000CBL that properly carries the 5VDC. All other panels require an external power supply. Refer to the 3" Communication and Cabling Chart starting on page CK-24 for cabling options.</b></p>						

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PLC			C-more Micro Panel					
Family	CPU	Port & Type	Using panel's RJ12 port 1**		Using panel's Port2** DB 15-pin - female			
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type		
Allen-Bradley MicroLogix	1000, 1100, 1200, 1400, 1500	8-pin mini-din port	N/A	N/A	DF1 Full Duplex	EA-MLOGIX-CBL RS-232		
		RJ45 8-pin phone plug			DH485/AIC/AIC+	EA-DH485-CBL RS-232		
Allen-Bradley SLC500	5/03, 5/04, 5/05	9-pin D-sub port			DF1 Full Duplex	EA-SLC-232-CBL RS-232		
		RJ45 8-pin phone plug			DH485/AIC/AIC+	EA-DH485-CBL RS-232		
Allen-Bradley ControlLogix	all	9-pin D-sub port			DF1 Full Duplex	EA-SLC-232-CBL RS-232		
Allen-Bradley CompactLogix	all	9-pin D-sub port			DF1 Full Duplex	EA-SLC-232-CBL RS-232		
Allen-Bradley FlexLogix	all	9-pin D-sub port			DF1 Full Duplex	EA-SLC-232-CBL RS-232		
Allen-Bradley PLC5	all	25-pin D-sub port			DF1 Full Duplex	EA-PLC5-232-CBL RS-232		
		RJ45 8-pin phone plug			DH485/AIC/AIC+	EA-DH485-CBL RS-232		
GE	90/30	15-pin D-sub port			N/A	N/A	SNPX	EA-90-30-CBL RS-422
	Micro 90, VersaMax Micro	RJ45 Port 1						*See Note RS-232
		15-pin D-sub port Port 2						EA-90-30-CBL RS-422
Mitsubishi	Melsec FX Series	25-pin D-sub port					CPU Direct	EA-MITSU-CBL RS-422
		8-pin mini-din port						
	Q / QnA	9-pin D-sub port						*See Note RS-232
		6-pin mini-din port						*See Note RS-232
Omron	C200 (Adapter), C500	25-pin D-sub port	Host Link	EA-OMRON-CBL RS-232				
		CJ1, CS1, CQM1, CPM1, CPM2, C200	9-pin D-sub port	FINS			*See Note RS-232	
Modicon	984 CPU, Quantum 113 CPU, AEG Modicon Micro Series 110 CPU	varies	Modbus RTU	*See Note RS-232				
Siemens	S7-200 CPU	9-pin D-sub port 0 or 1	PPI	*See Note RS-485				

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