

C-more 4" & 6" Micro-Graphic Communication Cables and Cable Kits

Cable Description	Cable Part Number	Price
Cables for direct connect to panel's serial Port1 (EA1-S6ML and EA1-S6MLW powered from PLC's serial port. EA1-T4CL and EA1-T6CL cannot be powered by a PLC and cannot communicate with a PLC through Port1.)		
AutomationDirect Productivity Series, AutomationDirect CLICK, <i>Direct</i> LOGIC PLC RJ-12 port, DL05, DL06, DL105, DL205, D3-350, D4-450 & H2-WinPLC (RS-232C).	DV-1000CBL	<--->
<i>Direct</i> LOGIC DL405 PLC 15-pin D-sub port, DL405 (RS-232C).	D4-1000CBL	<--->
<i>Direct</i> LOGIC (VGA Style) 15-pin port, DL06, D2-250 (250-1), D2-260 (RS-232C). Use with DV-1000CBL cable.	FA-15HD	<--->
<i>Direct</i> LOGIC PLC 15-pin D-sub port, DL405 (RS-232C). Use with DV-1000CBL cable.	FA-CABKIT	<--->
<i>Direct</i> LOGIC PLC RJ-11 port, D3-340 (RS-232C).	OP-3CBL-1	<--->
Cables used with serial Port2		
AutomationDirect Productivity Series, AutomationDirect CLICK, <i>Direct</i> LOGIC PLC RJ-12 port, DL05, DL06, DL105, DL205, D3-350, D4-450 & H2-WinPLC (RS-232C).	EA-2CBL	<--->
<i>Direct</i> LOGIC (VGA Style) 15-pin port, DL06, D2-250 (250-1), D2-260 (RS-232C).	EA-2CBL-1	<--->
<i>Direct</i> LOGIC PLC RJ-11 port, D3-340 (RS-232C).	EA-3CBL	<--->
<i>Direct</i> LOGIC DL405 PLC 15-pin D-sub port, DL405 (RS-232C).	EA-4CBL-1	<--->
<i>Direct</i> LOGIC PLC 25-pin D-sub port, DL405, D3-350, DL305 DCU and all DCMs (RS-232C).	EA-4CBL-2	<--->
Allen-Bradley MicroLogix 1000, 1100, 1200 & 1500 (RS-232C)	EA-MLOGIX-CBL	<--->
Allen-Bradley SLC 5-03/04/05, ControlLogix, CompactLogix, FlexLogix DF1 port (RS-232C)	EA-SLC-232-CBL	<--->
Allen-Bradley PLC-5 DF1 port (RS-232C)	EA-PLC5-232-CBL	<--->
Allen-Bradley MicroLogix, SLC-5-01/02/03, PLC5 DH485 port (RS-232C)	EA-DH485-CBL	<--->
GE 90/30 and 90/70, Micro 90, VersaMax Micro (Port 2) 15-pin D-sub port (RS-422A)	EA-90-30-CBL	<--->
MITSUBISHI FX Series 25-pin port (RS-422A)	EA-MITSU-CBL	<--->
MITSUBISHI FX Series 8-pin mini-DIN (RS-422A)	EA-MITSU-CBL-1	<--->
OMRON Host Link C200 Adapter, C500 (RS-232C)	EA-OMRON-CBL	<--->



EA-DH485-CBL EA-90-30-CBL EA-MITSU-CBL EA-MITSU-CBL-1 EA-OMRON-CBL

C-more 4" & 6" Micro-Graphic Communication Protocols & Cabling Chart

Controller Compatibility & Connection Chart						
PLC			C-more 4" and 6" Micro-Graphic Panel			
Family	CPU	PLC Port & Type	Panel to PLC Cabling Components Required for Specific Port and Protocol being used.			
			**PLC Port Powered or External DC Power Supply		External DC Power Supply	
			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	AutomationDirect Modbus (CLICK)	DV-1000CBL** RS-232	AutomationDirect Modbus (CLICK)	EA-2CBL RS-232
		Port 2 RJ12 - 6 pin		N/A		* See Note RS-485
Productivity Series	all versions	RS-232 RJ12 - 6 pin	AutomationDirect Productivity3000 Serial (P3-550)	DV-1000CBL** RS-232	AutomationDirect Productivity3000 Serial (P3-550)	EA-2CBL RS-232
		RS-485 Port Term block 3-pin		N/A		* See Note RS-485
DirectLOGIC DL05	all versions	Port 1 RJ12 - 6 pin	K-sequence, Direct NET Modbus RTU	DV-1000CBL** 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	DV-1000CBL** RS-232	K-sequence, Direct NET Modbus RTU	EA-2CBL RS-232
		Port 2 DB15HD (female)		DV-1000CBL** + FA-15HD RS-232		* See Note RS-422
DirectLOGIC DL06	all versions	Port 1 RJ12 - 6 pin	K-sequence, Direct NET Modbus RTU	DV-1000CBL** RS-232	K-sequence, Direct NET Modbus RTU	EA-2CBL RS-232
		Port 2 DB15HD (female)		DV-1000CBL** + FA-15HD RS-232		* See Note RS-422
	D0-DCM	Port 1 RJ12 - 6 pin	K-sequence, Direct NET Modbus RTU	DV-1000CBL** RS-232	K-sequence, Direct NET Modbus RTU	EA-2CBL RS-232
		Port 2 DB15HD (female)		DV-1000CBL** + FA-15HD RS-232		* See Note RS-485 Modbus only
DirectLOGIC DL105	all versions	Port 1 RJ12 - 6 pin	K-sequence	DV-1000CBL** RS-232	K-sequence	EA-2CBL RS-232

* Note: See the C-more Micro-Graphic Hardware User Manuals (P/N: EA1-MG6-USER-M or EA1-TCL-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.

** Note: For EA1-S6ML and EA1-S6MLW, the PLC can provide 5 VDC through this cable. No external 12-24 VDC source is required, however, screen brightness is diminished and the alarm beep will not function. Low-Power Mode should be used during initial programming only. Connect an external 12-24 VDC power source when the panel is installed in its application. EA1-T4CL and EA1-T6CL require an external power supply. PLC Compatibility & Connection Chart continued on next page.

C-more 4" & 6" Micro-Graphic Communication Protocols & Cabling Chart (cont'd)

Controller Compatibility & Connection Chart							
PLC			C-more 4" and 6" Micro-Graphic Panel				
Family	CPU	Port & Type	Panel to PLC Cabling Components Required for Specific Port and Protocol being used.				
			**PLC Port Powered or External DC Power Supply		External DC Power Supply		
			Using panel's RJ12 port 1		Using adapter's serial Port 2 15-pin D-sub - female		
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type	
DirectLOGIC DL205	D2-230	Port 1 RJ12 - 6 pin	K-sequence	DV-1000CBL** RS-232	K-sequence	EA-2CBL RS-232	
	D2-240	Port 1 RJ12 - 6 pin	K-sequence	DV-1000CBL** 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	DV-1000CBL** RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232
					DV-1000CBL** + FA-15HD RS-232		* See Note RS-422
	D2-260	Port 1 RJ12 - 6 pin	Port 2 DB15HD (female)	K-sequence, Direct NET, Modbus RTU	DV-1000CBL** RS-232	K-sequence, Direct NET, Modbus RTU	EA-2CBL RS-232
	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	DV-1000CBL** RS-232	Modbus RTU	EA-2CBL RS-232		
DirectLOGIC DL305	D3-330 or D3-340	D3-232-DCU DB 25 pin (female)	Direct NET	EA-4CBL-2 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	Direct NET	OP-3CBL-1** RS-232	Direct NET	EA-3CBL RS-232	
		Port 2 RJ11 - 4 pin	Direct NET, Modbus RTU		Direct NET, Modbus RTU		
	D3-350	Port 1 RJ12 - 6 pin	K-sequence, Direct NET	DV-1000CBL** RS-232	K-sequence, Direct NET	EA-2CBL RS-232	
		Port 2 DB 25 pin (female)	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		

* Note: See the C-more Micro-Graphic Hardware User Manuals (P/N: EA1-MG6-USER-M or EA1-TCL-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.

** Note: For EA1-S6ML and EA1-S6MLW, the PLC can provide 5 VDC through this cable. No external 12-24 VDC source is required, however, screen brightness is diminished and the alarm beep will not function. Low-Power Mode should be used during initial programming only. Connect an external 12-24 VDC power source when the panel is installed in its application. EA1-T4CL and EA1-T6CL require an external power supply. PLC Compatibility & Connection Chart continued on next page.

C-more 4" & 6" Micro-Graphic Communication Protocols & Cabling Chart (cont'd)

Controller Compatibility & Connection Chart						
PLC			C-more 4" and 6" Micro-Graphic Panel			
Family	CPU	Port & Type	Panel to PLC Cabling Components Required for Specific Port and Protocol being used.			
			**PLC Port Powered or External DC Power Supply		External DC Power Supply	
			Using panel's RJ12 port 1		Using adapter's serial Port 2 15-pin D-sub - female	
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type
DirectLOGIC DL405	D4-430	Port 0 DB 15 pin (female)	K-sequence	D4-1000CBL or DV-1000CBL** & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET	DV-1000CBL & 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	D4-1000CBL or DV-1000CBL** & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET	DV-1000CBL** & 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	D4-1000CBL or DV-1000CBL** & FA-CABKIT RS-232	K-sequence	EA-4CBL-1 RS-232
		Port 1 DB 25 pin (female)	K-sequence, DirectNET, Modbus RTU	DV-1000CBL** & 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	DV-1000CBL** 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
	SOLO	N/A	Data +/- terminals	N/A		SOLO Temperature Controller
GS Drives	N/A	RS-485 Interface	N/A		GS Drives Serial GS Drives TCP/IP (GS-EDRV)	*See Note RS-485

*** Note: See the C-more Micro-Graphic Hardware User Manuals (P/N: EA1-MG6-USER-M or EA1-TCL-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.**

**** Note: For EA1-S6ML and EA1-S6MLW, the PLC can provide 5 VDC through this cable. No external 12-24 VDC source is required, however, screen brightness is diminished and the alarm beep will not function. Low-Power Mode should be used during initial programming only. Connect an external 12-24 VDC power source when the panel is installed in its application. EA1-T4CL and EA1-T6CL require an external power supply. PLC Compatibility & Connection Chart continued on next page.**

C-more 4" & 6" Micro-Graphic Communication Protocols & Cabling Chart (cont'd)

Controller Compatibility & Connection Chart						
PLC			C-more 4" and 6" Micro-Graphic Panel			
Family	CPU	Port & Type	Panel to PLC Cabling Components Required for Specific Port and Protocol being used.			
			**PLC Port Powered or External DC Power Supply		External DC Power Supply	
			Using panel's RJ12 port 1		Using adapter's serial Port 2 15-pin D-sub - female	
			Protocol(s) Supported	Components & Network Type	Protocol(s) Supported	Components & Network Type
Allen-Bradley MicroLogix	1000, 1100, 1200, 1500	8-pin mini-din port	N/A	DF1 Full Duplex DF1 Half 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 DF1 Half Duplex	EA-SLC-232-CBL RS-232	
	5/01, 5/02, 5/03	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 DF1 Half Duplex	EA-SLC-232-CBL RS-232	
Allen-Bradley CompactLogix	all	9-pin D-sub port		DF1 Full Duplex DF1 Half Duplex	EA-SLC-232-CBL RS-232	
Allen-Bradley FlexLogix	all	9-pin D-sub port		DF1 Full Duplex DF1 Half 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	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		N/A	CPU Direct	EA-MITSU-CBL RS-422
		8-pin mini-din port				EA-MITSU-CBL-1 RS-422
	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		

* Note: See the C-more Micro-Graphic Hardware User Manuals (P/N: EA1-MG6-USER-M or EA1-TCL-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.

** Note: For EA1-S6ML and EA1-S6MLW, the PLC can provide 5 VDC through this cable. No external 12-24 VDC source is required, however, screen brightness is diminished and the alarm beep will not function. Low-Power Mode should be used during initial programming only. Connect an external 12-24 VDC power source when the panel is installed in its application. EA1-T4CL and EA1-T6CL require an external power supply.