

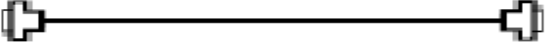
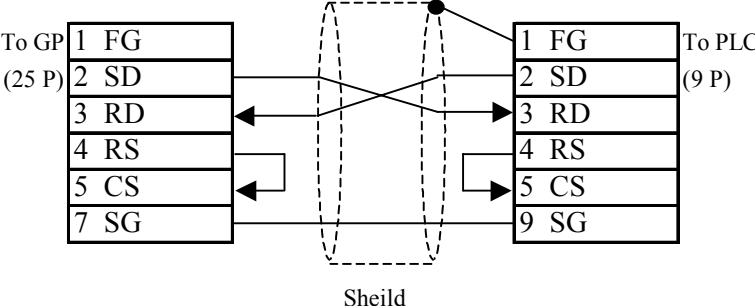
OMRON Corporation PLC

SYSMAC CJ1M Series Connection

Connection Method

1. RS-232C Connection

[RS-232C Port on CPU Unit / CJ1W-SCU41 (COM Port 2)]

Type	Connection Method	Distance
Using GP000-IS03-MS		3m
Using XW2Z-200S or XW2Z-500S by OMRON Corporation		2m 5m
Creating Cable		Within 15m

NOTE

While the above connection diagram differs slightly from the OMRON XW2Z-200S (2m) and XW2Z-500S (5m) RS-232C cables, the system will operate correctly using this design.

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501	<OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511	<OMRON Co.>
	Jack Screw	XM2Z-0071	<OMRON Co.>
Cable	CO-MA-VV-SB5P × 28AWG <Hitachi Cable Ltd.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		

2. RS-422 Connection

[Peripheral Port on CPU Unit]

Type	Connection Method	Distance												
Using CS1W-CN225 or CS1W-CN625 with Created Cable	To GP (25P Male) <table><tr><td>1 FG</td></tr><tr><td>2 SD</td></tr><tr><td>3 RD</td></tr><tr><td>4 RS</td></tr><tr><td>5 CS</td></tr><tr><td>7 SG</td></tr></table> To Connecton Cable for Periferal Port (25P Female) <table><tr><td>1 FG</td></tr><tr><td>2 RD</td></tr><tr><td>3 SD</td></tr><tr><td>4 CS</td></tr><tr><td>5 RS</td></tr><tr><td>7 SG</td></tr></table> To Peripheral Port on Device/PLC  CS1W-CN225 (2m) or CS1W-CN625 (6m)	1 FG	2 SD	3 RD	4 RS	5 CS	7 SG	1 FG	2 RD	3 SD	4 CS	5 RS	7 SG	Within 15m
1 FG														
2 SD														
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Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501	<OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511	<OMRON Co.>
	Jack Screw	XM2Z-0071	<OMRON Co.>
Cable	CO-MA-VV-SB5P × 28AWG <Hitachi Cable Ltd.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		

3. RS-422 Connection

[CJ1W-SCU41 (COM Port 1)]

Type	Connection Method	Distance
Using GP070-CN10-O	To GP GP070-CN10-O Termination Resistance 220Ω To PLC (9P) Within 500m	Within 500m
Creating Cable	To GP (25P) Termination Resistance 220Ω To PLC (9P) Within 500m	Within 500m



- * Turn on the termination resistance switch on the PLC.
- * Names of Signal A and Signal B are opposite on the GP and the PLC.

NOTE

- * When connecting the #9 and #10 pins on the GP Serial I/F, a termination resistance of 100Ω is added between RDA and RDB.

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501	<OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511	<OMRON Co.>
	Jack Screw	XM2Z-0071	<OMRON Co.>
Cable	CO-HC-ESV-3PX7/0.2 <Hirakawa Hewtech Corp.>		
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45		