

**Connect Connector-Terminal Block Conversion Units (XW2□) to I/O Units for Programmable Controllers with one touch.**



Shielded

## Ordering Information

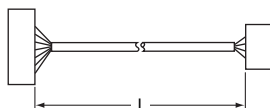
### For 32-point, Connector-type I/O Units for Programmable Controllers

XW2Z-□□□A

(For XW2D-20G6/XW2B-20G□/-40G5-T/-20G5-D/  
XW2C-20G5-IN16/20G6-IO16/XW2E-20G5-IN16/  
XW2F-20G7-IN16/-OUT16/XW2N-20G8-IN16)

Cable length L (m) *	Model
0.5	XW2Z-050A
1.0	XW2Z-100A
1.5	XW2Z-150A
2.0	XW2Z-200A
3.0	XW2Z-300A
5.0	XW2Z-500A
10.0	XW2Z-010A
15.0	XW2Z-15MA
20.0	XW2Z-20MA

\*Cable length L (m)



XW2Z-□□□AU (For XW2D-20C6)

Cable length L (m) *	Model
0.5	XW2Z-050AU
1.0	XW2Z-100AU
1.5	XW2Z-150AU
2.0	XW2Z-200AU
3.0	XW2Z-300AU
5.0	XW2Z-500AU

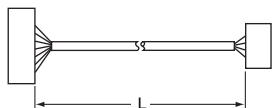
## For 32-point, Connector-type I/O Units (Group 2) for Programmable Controllers

### For 64-point, Connector-type I/O Units for Programmable Controllers

XW2Z-□□□B (For XW2D-40G6/XW2B-40G□)

Type	Cable length L (m) *	Model
Normal wiring	0.5	XW2Z-050B
	1.0	XW2Z-100B
	1.5	XW2Z-150B
	2.0	XW2Z-200B
	3.0	XW2Z-300B
	5.0	XW2Z-500B
	10.0	XW2Z-010B
	15.0	XW2Z-15MB
Reverse wiring	20.0	XW2Z-20MB
	0.5	XW2Z-050B-R1
	1.0	XW2Z-100B-R1
	1.5	XW2Z-150B-R1
	2.0	XW2Z-200B-R1
	3.0	XW2Z-300B-R1
	5.0	XW2Z-500B-R1

\*Cable length L (m)



XW2Z-□□□BU (For XW2D-40C6)

Type	Cable length L (m) *	Model
Normal wiring	0.5	XW2Z-050BU
	1.0	XW2Z-100BU
	1.5	XW2Z-150BU
	2.0	XW2Z-200BU
	3.0	XW2Z-300BU
	5.0	XW2Z-500BU

XW2Z-□□□B-A (For XW2F-40G7-IN32)

Type	Cable length L (m) *	Model
Normal wiring	1.0	XW2Z-100B-A
	1.5	XW2Z-150B-A
	2.0	XW2Z-200B-A
	3.0	XW2Z-300B-A
	5.0	XW2Z-500B-A

XW2Z-□□□B-B (For XW2F-40G7-OUT32)

Type	Cable length L (m) *	Model
Normal wiring	1.0	XW2Z-100B-B
	1.5	XW2Z-150B-B
	2.0	XW2Z-200B-B
	3.0	XW2Z-300B-B
	5.0	XW2Z-500B-B

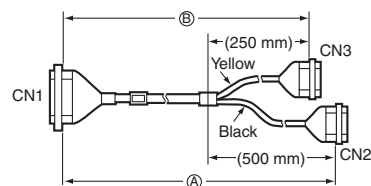
## For 32-point, Connector-type Input Units (Group 2) for Programmable Controllers

### For 64-point, Connector-type Input Units for Programmable Controllers

XW2Z-□□□D

Cable length L (m) *		Model
(A)	(B)	
1.0	0.75	XW2Z-100D
1.5	1.25	XW2Z-150D
2.0	1.75	XW2Z-200D
3.0	2.75	XW2Z-300D
5.0	4.75	XW2Z-500D
10.0	9.75	XW2Z-010D
15.0	14.75	XW2Z-15MD
20.0	19.75	XW2Z-20MD

\*Cable length L (m)

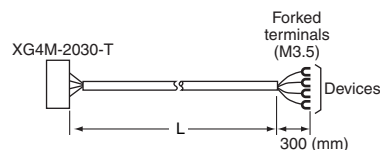


## 20-pole Cable with Discrete-wire Press-fit Terminals

XW2Z-□□□F

Cable length L (m) *	Model
1.0	XW2Z-100F
1.5	XW2Z-150F
2.0	XW2Z-200F
3.0	XW2Z-300F
5.0	XW2Z-500F
10.0	XW2Z-010F
15.0	XW2Z-15MF
20.0	XW2Z-20MF

\*Cable length L (m)



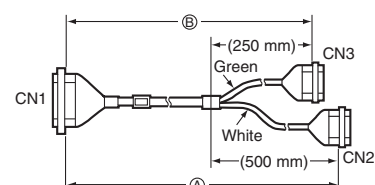
## For 32-point, Connector-type Output Units (Group 2) for Programmable Controllers

## For 64-point, Connector-type Output Units for Programmable Controllers

XW2Z-□□□L

Cable length L (m) *		Model
(A)	(B)	
1.0	0.75	XW2Z-100L
1.5	1.25	XW2Z-150L
2.0	1.75	XW2Z-200L
3.0	2.75	XW2Z-300L
5.0	4.75	XW2Z-500L
10.0	9.75	XW2Z-010L
15.0	14.75	XW2Z-15ML
20.0	19.75	XW2Z-20ML

\*Cable length L (m)



## For 96-point, Connector-type I/O Units for Programmable Controllers

XW2Z-□□□H-1 (For CS1-series I/O Unit Connection)

Special Connecting Cables *	
Cable length L (m)	Model
0.5	XW2Z-050H-1
1.0	XW2Z-100H-1
1.5	XW2Z-150H-1
2.0	XW2Z-200H-1
3.0	XW2Z-300H-1
5.0	XW2Z-500H-1
7.0	XW2Z-700H-1
10.0	XW2Z-010H-1
1.0	XW2Z-100H-1G
1.5	XW2Z-150H-1G
2.0	XW2Z-200H-1G
3.0	XW2Z-300H-1G
5.0	XW2Z-500H-1G

\*Cable length L (m)



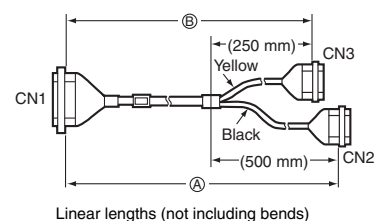
\*Up to two cables required for each Programmable Controller I/O Unit.

Note: CS1 signal names connected to the XW2B/D are different for the XW2Z-□□□H-□ and the XW2Z-□□□H-□G.  
Refer to the I/O Signal Tables on page 9.

XW2Z-□□□H-2 (For CS1-series I/O Unit Connection)

Special Connecting Cables *		
Cable length L (m)		Model
Ⓐ	Ⓑ	
1.0	0.75	XW2Z-100H-2
1.5	1.25	XW2Z-150H-2
2.0	1.75	XW2Z-200H-2
3.0	2.75	XW2Z-300H-2
5.0	4.75	XW2Z-500H-2
10.0	9.75	XW2Z-010H-2
1.0	0.75	XW2Z-100H-2G
1.5	1.25	XW2Z-150H-2G
2.0	1.75	XW2Z-200H-2G
3.0	2.75	XW2Z-300H-2G
5.0	4.75	XW2Z-500H-2G

\*Cable length L (m)



\*Up to two cables required for each Programmable Controller I/O Unit.

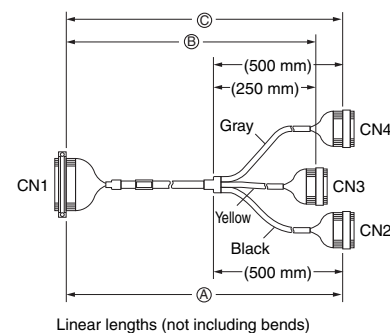
Note: CS1 signal names connected to the XW2B/D are different for the XW2Z-□□□H-□ and the XW2Z-□□□H-□G.  
Refer to the I/O Signal Tables on page 9.

## XW2Z-□□□H-3 (For CS1-series I/O Unit Connection)

Special Connecting Cables *			
Cable length L (m)			Model
(A)	(B)	(C)	
1.0	0.75	1.0	XW2Z-100H-3
1.5	1.25	1.5	XW2Z-150H-3
2.0	1.75	2.0	XW2Z-200H-3
3.0	2.75	3.0	XW2Z-300H-3
5.0	4.75	5.0	XW2Z-500H-3
10.0	9.75	10.0	XW2Z-010H-3

\*Up to two cables required for each Programmable Controller I/O Unit.

\*Cable length L (m)

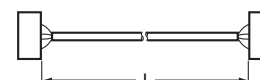


## For 32-point, MIL Connector-type I/O Units for Programmable Controllers

### XW2Z-□□□K

Cable length L (m) *	Model
0.25	XW2Z-C25K
0.5	XW2Z-C50K
1.0	XW2Z-100K
1.5	XW2Z-150K
2.0	XW2Z-200K
3.0	XW2Z-300K
5.0	XW2Z-500K

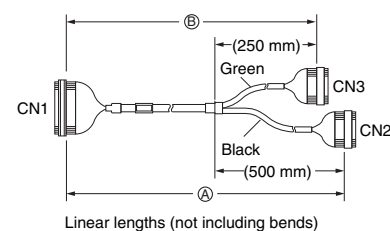
\*Cable length L (m)



### XW2Z-□□□N

Cable length L (m) *		Model
(A)	(B)	
1.0	0.75	XW2Z-100N
1.5	1.25	XW2Z-150N
2.0	1.75	XW2Z-200N
3.0	2.75	XW2Z-300N
5.0	4.75	XW2Z-500N
10.0	9.75	XW2Z-010N
15.0	14.75	XW2Z-15MN
20.0	19.75	XW2Z-20MN

\*Cable length L (m)



### XW2Z-□□□X

Cable length L (m) *	Model
0.5	XW2Z-C50X
1.0	XW2Z-100X
2.0	XW2Z-200X
3.0	XW2Z-300X
5.0	XW2Z-500X
10.0	XW2Z-010X

\*Cable length L (m)



## Ratings and Specifications

<b>Rated current</b>	1 A
<b>Rated voltage</b>	125 VAC 24 VDC
<b>Contact resistance</b>	20 mΩ max. (at 20 mV, 100 mA max.) *1
<b>Insulation resistance</b>	100 MΩ min. (at 500 VDC)
<b>Dielectric strength</b>	500 VAC for 1 min (leakage current: 1 mA max.) *2
<b>Ambient operating temperature</b>	–25 to 80°C

\*1. Contact resistance for the Connector.

\*2. Dielectric strength for the Connector.

## Materials and Finish

Item	Part name			Materials and Finish
Connectors	XG4M-2030 XG4M-4030	Housing		Fiber-glass reinforced PBT resin (UL94V-0)/black
		Cover		
		Contacts	Mating end	Phosphor bronze/nickel base, 0.15-μm gold plating
			Press-fit end	Phosphor bronze/nickel base, 2.0-μm tin plating
	XG4T-2004/4004	Strain Relief		Fiber-glass reinforced PBT resin (UL94V-0)/black
	FCN-367J024-AU/F * FCN-367J040-AU/F	Housing		Polyester resin (UL94V-0)/black
		Contacts	Mating end	Copper alloy/gold plated
			Press-fit end	Copper alloy/tin plated
		Connecting screw		Steel/nickel plated
Cable	UL2464 Interface Cable			AWG28/Shielded
Crimp terminal	Forked crimp terminal			1.25 Y AS 3.5 or the equivalent

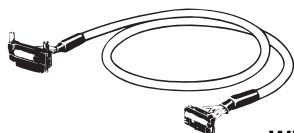
Note: These housings, contacts, and connecting screws are made by Fujitsu.

## Appearance and Wiring Diagrams

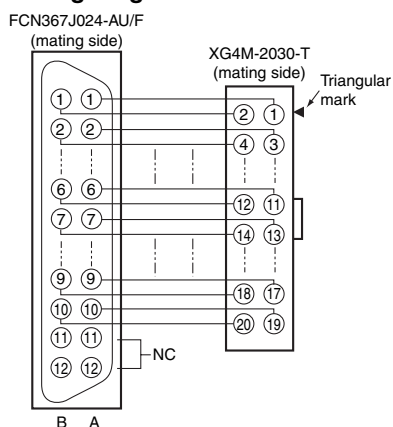
### For 32-point, Connector-type I/O Units for Programmable Controllers

**XW2Z-□□□A**

(For XW2D-20G6/XW2B-20G□/-40G5-T/-20G5-D/  
XW2C-20G5-IN16/20G6-IO16/XW2E-20G5-IN16/  
XW2F-20G7-IN16/-OUT16/XW2N-20G8-IN16)

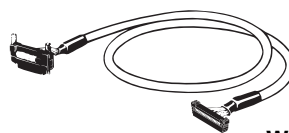


## Wiring Diagram

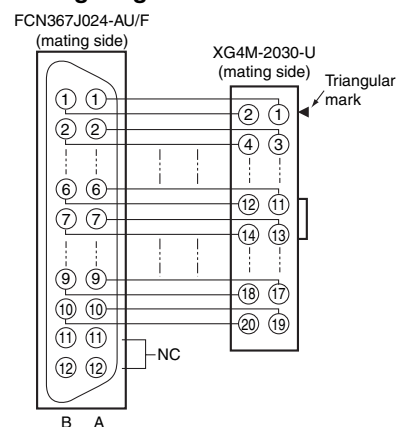


**XW2Z-□□□AU**

**(For XW2D-20C6)**

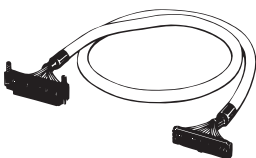


## Wiring Diagram



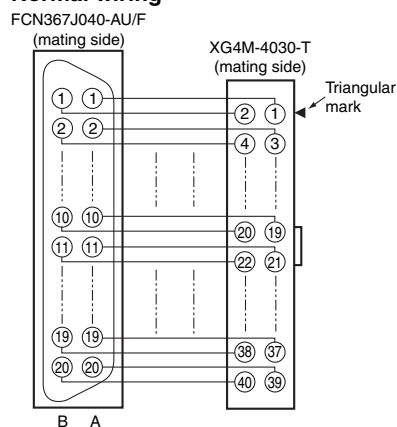
**For 32-point, Connector-type I/O Units (Group 2) for Programmable Controllers**  
**For 64-point, Connector-type I/O Units for Programmable Controllers**

**XW2Z-□□□B (For XW2D-40G6/XW2B-40G□)**

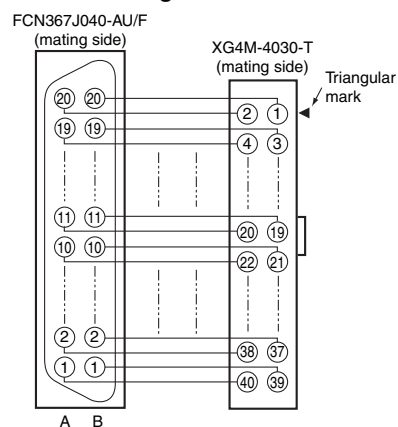


## Wiring Diagram

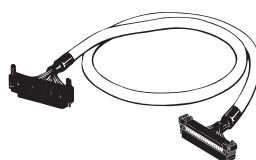
- Normal wiring



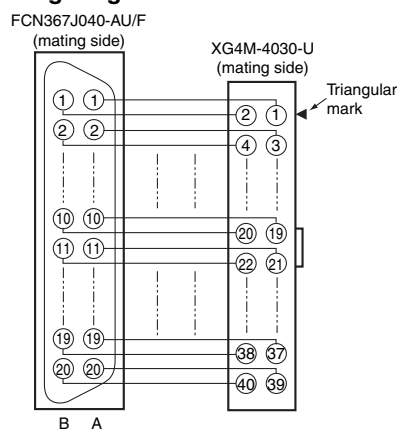
- **Reverse wiring**



**XW2Z-□□□BU (For XW2D-40C6)**

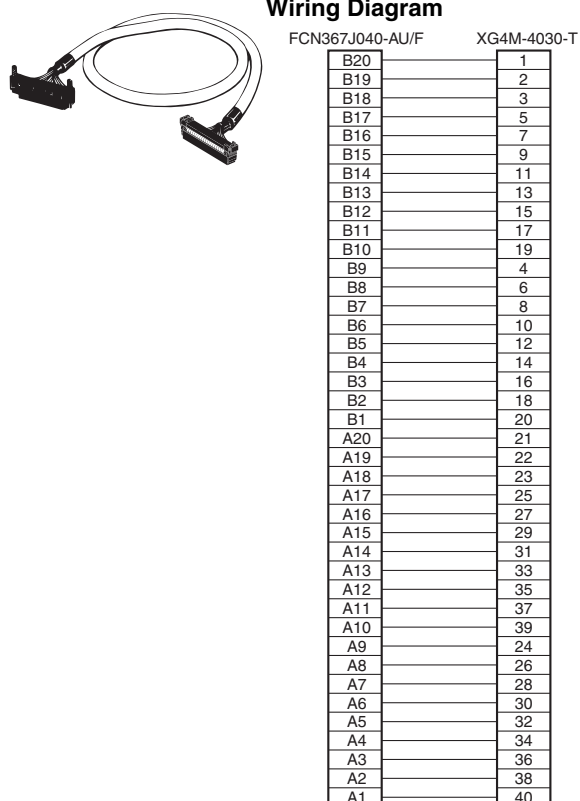


## Wiring Diagram



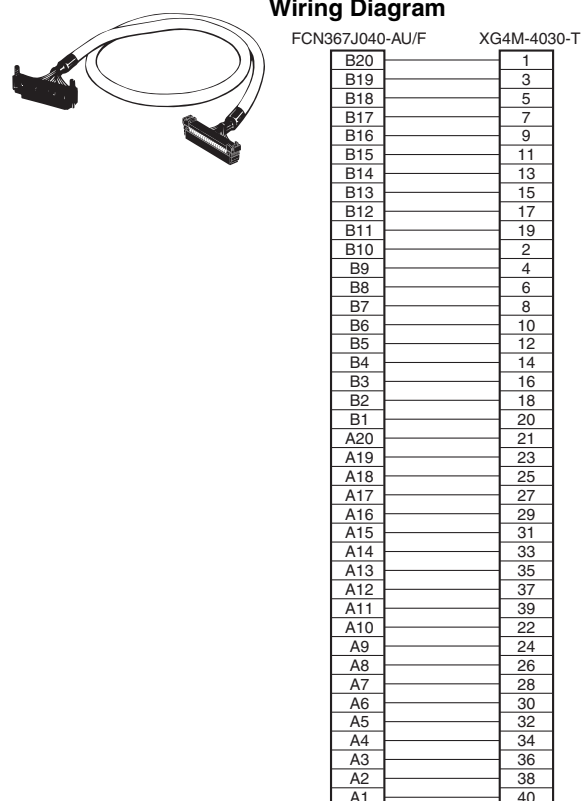
## XW2Z-□□□B-A (For XW2F-40G7-IN32)

### Wiring Diagram



## XW2Z-□□□B-B (For XW2F-40G7-OUT32)

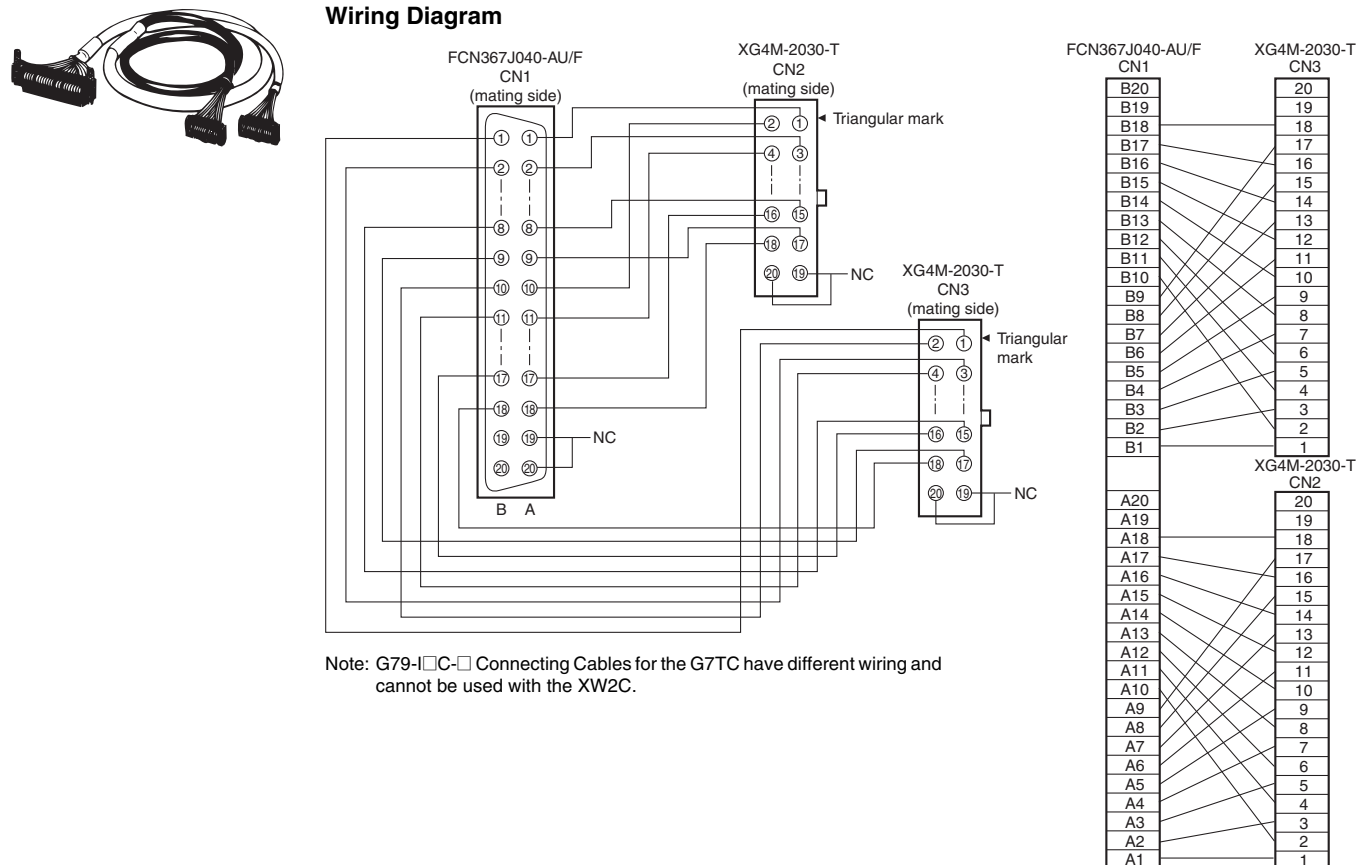
### Wiring Diagram



**For 32-point, Connector-type Input Units (Group 2) for Programmable Controllers**  
**For 64-point, Connector-type Input Units for Programmable Controllers**

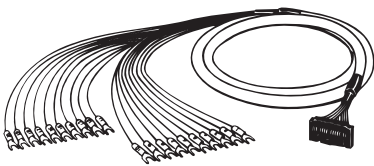
## XW2Z-□□□D

### Wiring Diagram

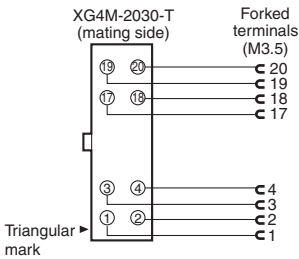


20-pole Cable with Discrete-wire Press-fit Terminals

XW2Z-□□□F



Wiring Diagram



Connector Pin No. Table

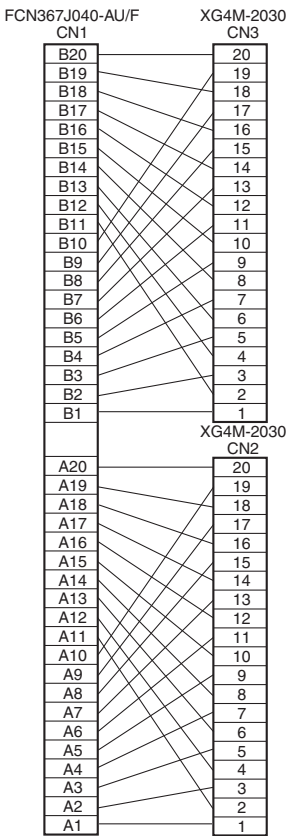
Forked terminal	No. of cores	Insulation color	Dot marks	Dot color	Connector pin No.
1	1	Blue	□	Red	1◁
2		Blue	□	Black	2
3	2	Pink	□	Red	3
4		Pink	□	Black	4
5	3	Green	□	Red	5
6		Green	□	Black	6
7	4	Orange	□	Red	7
8		Orange	□	Black	8
9	5	Gray	□	Red	9
10		Gray	□	Black	10
11	6	Blue	□□	Red	11
12		Blue	□□	Black	12
13	7	Pink	□□	Red	13
14		Pink	□□	Black	14
15	8	Green	□□	Red	15
16		Green	□□	Black	16
17	9	Orange	□□	Red	17
18		Orange	□□	Black	18
19	10	Gray	□□	Red	19
20		Gray	□□	Black	20

For 32-point, Connector-type Output Units (Group 2) for Programmable Controllers  
For 64-point, Connector-type Output Units for Programmable Controllers

XW2Z-□□□L



Wiring Diagram





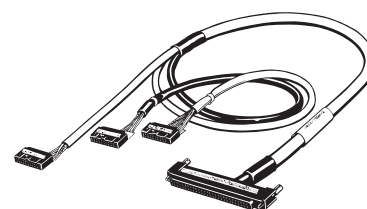
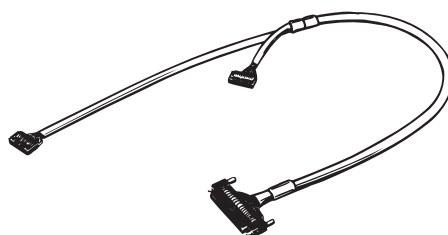
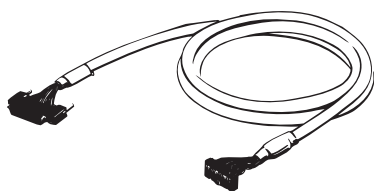
## For 96-point, Connector-type I/O Units for Programmable Controllers

### XW2Z-□□□H (For CS1-series I/O Unit Connection)

XW2Z-□□□H-1

XW2Z-□□□H-2

XW2Z-□□□H-3



### I/O Signal Tables (Example Using CN1 on CS1W-OD291)

#### XW2Z-□□□H-□ Connecting Cables

XW2Z-□□□H-3		XW2□-20G□		
		Word N (CN2)	Word N+1 (CN3)	Word N+2 (CN4)
		0 1 2 3 4 5 6 7 COM NC	0 1 2 3 4 5 6 7 COM NC	0 1 2 3 4 5 6 7 COM NC
		①③⑤⑦⑨⑪⑬⑮⑰⑱	①③⑤⑦⑨⑪⑬⑮⑰⑱	①③⑤⑦⑨⑪⑬⑮⑰⑱
		②④⑥⑧⑩⑫⑭⑯⑰⑱	②④⑥⑧⑩⑫⑭⑯⑰⑱	②④⑥⑧⑩⑫⑭⑯⑰⑱
		8 9 10 11 12 13 14 15 +V NC	8 9 10 11 12 13 14 15 +V NC	8 9 10 11 12 13 14 15 +V NC
XW2Z-□□□H-2		XW2□-40G□		XW2□-20G□
		Word N (CN2)	Word N+1 (CN2)	Word N+2 (CN3)
		0 1 2 3 4 5 6 7 COM NC	0 1 2 3 4 5 6 7 COM NC	0 1 2 3 4 5 6 7 COM NC
		①③⑤⑦⑨⑪⑬⑮⑰⑲⑲⑲		

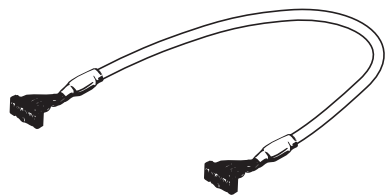
#### XW2Z-□□□H-□G/G79-□□□C-□□□-□□□ Connecting Cables

G79-□□□C-□□□□□□	XW2□-20G□		
	<div>Word N (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲</div> <div>②④⑥⑧⑩⑫⑭⑯⑱⑳</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+1 (CN3)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲</div> <div>②④⑥⑧⑩⑫⑭⑯⑱⑳</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+2 (CN4)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲</div> <div>②④⑥⑧⑩⑫⑭⑯⑱⑳</div> <div>NC COM 7 6 5 4 3 2 1 0</div>
XW2Z-□□□H-2G	XW2□-40G□		XW2□-20G□
	<div>Word N (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲⑳㉑㉓㉕㉗㉙㉛㉝㉞㉟㊱</div> <div>②④⑥⑧⑩⑫⑭⑯⑱㉒㉔㉖㉘㉚㉜㉞㉟㊲㊴</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+1 (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲⑳㉑㉓㉕㉗㉙㉛㉝㉞㉟㊱</div> <div>②④⑥⑧⑩⑫⑭⑯⑱㉒㉔㉖㉘㉚㉜㉞㉟㊲㊴</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+2 (CN3)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲</div> <div>②④⑥⑧⑩⑫⑭⑯⑱⑳</div> <div>NC COM 7 6 5 4 3 2 1 0</div>
XW2Z-□□□H-1G	XW2B-60G□		
	<div>Word N (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲⑳㉑㉓㉕㉗㉙㉛㉝㉞㉟㊱</div> <div>②④⑥⑧⑩⑫⑭⑯⑱㉒㉔㉖㉘㉚㉜㉞㉟㊲㊴</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+1 (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲⑳㉑㉓㉕㉗㉙㉛㉝㉞㉟㊱</div> <div>②④⑥⑧⑩⑫⑭⑯⑱㉒㉔㉖㉘㉚㉜㉞㉟㊲㊴</div> <div>NC COM 7 6 5 4 3 2 1 0</div>	<div>Word N+2 (CN2)</div> <div>+V NC 15 14 13 12 11 10 9 8</div> <div>①③⑤⑦⑨⑪⑬⑮⑰⑲⑳㉑㉓㉕㉗㉙㉛㉝㉞㉟㊱</div> <div>②④⑥⑧⑩⑫⑭⑯⑱㉒㉔㉖㉘㉚㉜㉞㉟㊲㊴</div> <div>NC COM 7 6 5 4 3 2 1 0</div>

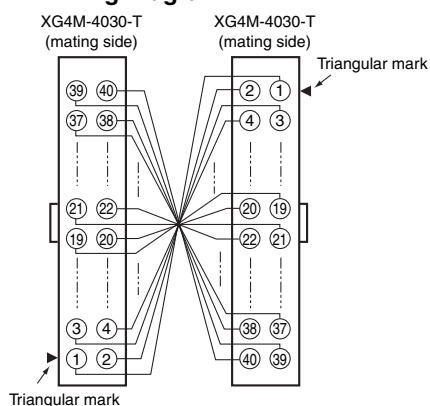
Note: The XW2Z-□□□H-□G I/O signal arrangement is oriented the same as the Connector Cable for the G79 I/O Relay Terminal.

## For 32-point, MIL Connector-type I/O Units for Programmable Controllers

XW2Z-□□□K

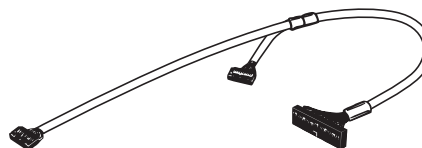


### Wiring Diagram

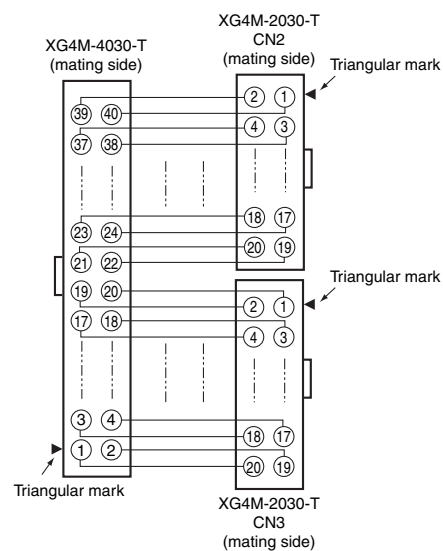


Note: Connector pins are connected 1-to-1 so that pin numbers correspond.

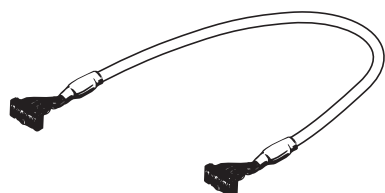
XW2Z-□□□N



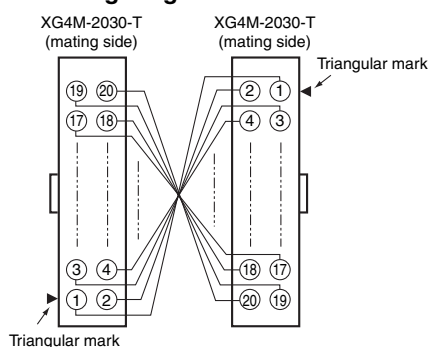
### Wiring Diagram



XW2Z-□□□X



### Wiring Diagram



Note: Connector pins are connected 1-to-1 so that pin numbers correspond.

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