

Cables for I/O Relay Terminals XW2Z-R

Connect I/O Relay Terminals to I/O Units for Programmable Controllers with one touch.

- Cables with Connectors for G70V and G7TC I/O Relay Terminals and G70D, G70A, and G70R Relay Terminals.
- Cables with loose wires available with or without crimp terminals.
- Cables available for programmable controllers from Mitsubishi Electric.



Cable Types and Table of Contents

Connects to	Appearance	Description	Nar	me	Model	Wiring diagram	
		·				Page	Number
Various		This Cable is convenient for connecting I/O Relay Terminals to devices equipped with screw terminals.	Cables with Loose Wires and Crimp Terminals	16 I/O points	XW2Z-RY□C	4	(1)
devices		This Cable has loose wires at the device end.	Cables with Loose Wires	16 I/O points	XW2Z-RA□C		(2)
		Connects a PLC I/O Unit with Fujit- su connectors 1:1 to an I/O Relay Terminal.	Cables with Connectors (1:1)	16 I/O points	XW2Z-R□C		(3)
	Á	Connects a PLC I/O Unit with Fujit- su connectors 1:2 to I/O Relay Ter- minals.		32 input points	XW2Z-RI□C-□	5	(4)
Fujitsu connectors		Vote: The pin layout for PLC I/O Units with 32 points is different for inputs and outputs.	Cables with Con- nectors (1:2)	32 output points	XW2Z-RO□C-□		(5)
		Connects a PLC I/O Unit with Fujitsu connectors 1:3 to I/O Relay Terminals.	Cables with Connectors (1:3)	48 I/O points	XW2Z-R□C-□-□	6	(6)
	2	Connects a PLC I/O Unit with MIL connectors 1:1 to an I/O Relay Ter-	Cables with Con- nectors (1:1)	16 input points	XW2Z-RI□C	7	(7)
	4	minal.	(,	16 output points XW2Z-RO□C			(8)
				32 input points	XW2R-RI□-□-D1		(9)
MIL connectors			Cables with Con-	32 output points	XW2R-RO□-□-D1	8	(10)
		connectors 1:2 to I/O Relay Termi-	nectors (1:2)	16 input points/ 16 output points	XW2Z-RM□-□-D1		(11)
	4	nals.	Cables with Con-	32 input points	XW2Z-RI□-□-D2		(12)
			nectors (1:2)	16 input points/ 16 output points	XW2Z-RM□-□-D2	9	(13)
Mitsubishi Electric PLCs Applicable models: For inputs: AX42, A1SX41,		Connects Mitsubishi Electric PLCs with 32-point connectors to I/O Re-	, Mitsubishi Electric	32 input points	XW2Z-RI□C-MN	10	(14)
A1SX42, QX41, and QX42 For outputs: AY42, A1SY41, A1SY42, QY41P, and QY42P	\ \frac{1}{2}	lay Terminals through a special cable.	PLC Connecting Cables (1:2)	32 output points	XW2Z-RO□C-MN	10	(15)

XW2Z-R

Ordering Information

Туре	Nam	e	Appearance	Cable leng	jth L (mm)	Models	
				1,0	000	XW2Z-RY100C	
	Cables with Loose		A side B side	1,5	500	XW2Z-RY150C	
	Wires and Crimp Ter- minals	16 I/O points	Device end I/O Relay Terminal	2,0	000	XW2Z-RY200C	
	XW2Z-RY□C	·		3,0	000	XW2Z-RY300C	
Various devices	XWZZ-NT LIC		300 L	5,000		XW2Z-RY500C	
	Cables with Loose Wires	16 I/O points		2,0	000	XW2Z-RA200C	
	XW2Z-RA□C	To we point	300 L	5,0	000	XW2Z-RA500C	
				1,0	000	XW2Z-R100C	
	Cables with Connec-			1,5	500	XW2Z-R150C	
Fujitsu connectors (24 pins)	tors (1:1)	16 I/O points		2,0	000	XW2Z-R200C	
	XW2Z-R□C			3,0	000	XW2Z-R300C	
				5,0	000	XW2Z-R500C	
				(A) 1,000	(B) 750	XW2Z-RI100C-75	
				(A) 1,500	(B) 1,250	XW2Z-RI150C-125	
		32 input points	(A)	(A) 2,000	(B) 1,750	XW2Z-RI200C-175	
	Cables with Connec-			(A) 3,000	(B) 2,750	XW2Z-RI300C-275 XW2Z-RI500C-475	
Fulltan connectors (40 pins)	tors (1:2)			(A) 5,000	(B) 4,750		
Fujitsu connectors (40 pins)	XW2Z-RI□C-□		(120)	(A) 1,000	(B) 750	XW2Z-RO100C-75	
	XW2Z-RO□C-□			(A) 1,500	(B) 1,250	XW2Z-RO150C-125	
		32 output points	Chroight langth (without hands)	(A) 2,000	(B) 1,750	XW2Z-RO150C-125 XW2Z-RO200C-175 XW2Z-RO300C-275 XW2Z-RO500C-475	
			Straight length (without bends)	(A) 3,000	(B) 2,750		
				(A) 5,000	(B) 4,750		
			(A) ————————————————————————————————————	(A) (B) 1,500 1,29	(C) 1,000	XW2Z-R150C-125-100	
Fujitsu connectors (56 pins)	Cables with Connectors (1:3) XW2Z-R□C-□-□	48 I/O points	(120)	(A) (B) 2,000 1,75	(C) 50 1,500	XW2Z-R200C-175-150	
			(C) Straight length (without bends)	(A) (B) 3,000 2,75	(C) 2,500	XW2Z-R300C-275-250	
	Cables with Connec-	16 input points			50	XW2Z-RI25C	
MIL connectors (20 pins)	tors (1:1)	P - P			00	XW2Z-RI50C	
, , , , , , , , , , , , , , , , , , ,	XW2Z-RI□C,	16 output points		25	50	XW2Z-RO25C	
	XW2Z-RO□C	7			00	XW2Z-RO50C	
MIL connectors (40 pins)		32 input points		(A) 500	(B) 250	XW2Z-RI50-25-D1	
		pat pointo		(A) 750	(B) 500	XW2Z-RI75-50-D1	
	Cables with Connec-	32 output points	(A)	(A) 500	(B) 250	XW2Z-RO50-25-D1	
	tors (1:2)	on output points		(A) 750	(B) 500	XW2Z-RO75-50-D1	
	XW2Z-RI□-□-D1	16 input points/		(A) 500	(B) 250	XW2Z-RM50-25-D1	
comocioro (40 pina)	XW2Z-RO□-□-D1 XW2Z-RM□-□-D1	16 output points	(120)	(A) 750	(B) 500	XW2Z-RM75-50-D1	
	XW2Z-RI□-□-D2	32 input points		(A) 500	(B) 250	XW2Z-RI50-25-D2	
	XW2Z-RM□-□-D2	oz input points	← (B) ← Straight length (without bends)	(A) 750	(B) 500	XW2Z-RI75-50-D2	
		16 input points/	3 7 7 3 (23 231100)	(A) 500	(B) 250	XW2Z-RM50-25-D2	
		16 output points		(A) 750	(B) 500	XW2Z-RM75-50-D2	

Туре	Name		Appearance	Cable leng	gth L (mm)	Models	
				(A) 1,000	(B) 750	XW2Z-RI100C-75-MN	
Mitsubishi Electric PLCs with		32 input points	A side B side Device end I/O Relay Terminal	(A) 1,500	(B) 1,250	XW2Z-RI150C-125-MN	
32-point connectors (1:2)	Mitsubishi Electric PLC Connecting Cables 2, A1SX41, and QX42 42, A1SY41, XW2Z-RI□C-□-MN XW2Z-RO□C-□-MN	Mitsuhishi Electric PLC	32 iriput points	(A)	(A) 2,000	(B) 1,750	XW2Z-RI200C-175-MN
Applicable models:				(A) 3,000	(B) 2,750	XW2Z-RI300C-275-MN	
For inputs: AX42, A1SX41, A1SX42, QX41, and QX42				(A) 1,000	(B) 750	XW2Z-RO100C-75-MN	
For outputs: AY42, A1SY41, A1SY42. QY41P. and				(120)	(A) 1,500	(B) 1,250	XW2Z-RO150C-125-MN
QY42P		32 output points		(A) 2,000	(B) 1,750	XW2Z-RO200C-175-MN	
			Straight length (without bends)	(A) 3,000	(B) 2,750	XW2Z-RO300C-275-MN	

Wiring diagram

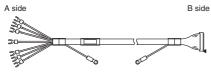
For various devices

(1) Cables with Loose Wires and Crimp Terminals (16 I/O points)

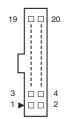
XW2Z-RY□C

	A side B side							
Marker tube No. *1	Insula- tion color	Dot mark	Dot color	CN1 Pin No.	Corresponding G70V/G7TC connec- tor pin number*2			
20	BLUE	-	RED	1	20			
10	BLUE	-	BLACK	2	10			
19	PINK	•	RED	3	19			
9	PINK	-	BLACK	4	9			
18	GREEN		RED	5	18			
8	GREEN		BLACK	6	8			
17	ORANGE		RED	7	17			
7	ORANGE		BLACK	8	7			
16	GRAY	-	RED	9	16			
6	GRAY	-	BLACK	10	6			
15	BLUE		RED	11	15			
5	BLUE	-	BLACK	12	5			
14	PINK		RED	13	14			
4	PINK	-	BLACK	14	4			
13	GREEN	-	RED	15	13			
3	GREEN	-	BLACK	16	3			
12	ORANGE	-	RED	17	12			
2	ORANGE	-	BLACK	18	2			
11	GRAY	-	RED	19	11			
1	GRAY	-	BLACK	20	1			

- *1. Marker tube numbers and the G70V and G7TC connector pin numbers are same. Be careful when using with other models (Relay Terminals). Refer to the datasheet for specific products for details.
- *2. Refer to the datasheets for the G70V and G7TC for the connector pin layouts of I/O Relay Terminals.



Connector Pin Diagram (from Connector Mating Side)



Item	Part		
Terminal Connector	A side	Loose Wires and Crimp Terminals (fork terminal (1.25-3))	
Connector	B side	XG4M-2030-T	
Cable		BC10P-SB AWG28(7/0.127) e cable (Cable color: Gray)	

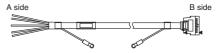
- Note: 1. The power line capacity is 50 mA max. per I/O point. Also, always check the driver capacity and I/O relay power consumption when using for outputs.
 - 2. The crimp terminals are labeled with the corresponding connector pin numbers in parentheses. Refer to the Connector Pin No. Tables for marker tube numbers.
 - **3.** Connect terminals 9 and 19 and terminals 10 and 20 together when using the G7TC-OC08.
 - The wire gauge of the wires in the cable is 28 AWG (7/ 0.127).

(2) Cables with Loose Wires (16 I/O points)

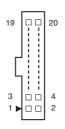
XW2Z-RA□C

	A side			B side
Insulation color	Dot mark	Dot color	CN1 Pin No.	Corresponding G70V/G7TC connec- tor pin number*
ORANGE	•	BLACK	20	1
ORANGE	•	RED	19	11
GRAY	•	BLACK	18	2
GRAY	•	RED	17	12
WHITE	•	BLACK	16	3
WHITE		RED	15	13
YELLOW	•	BLACK	14	4
YELLOW		RED	13	14
PINK		BLACK	12	5
PINK	•	RED	11	15
ORANGE		BLACK	10	6
ORANGE		RED	9	16
GRAY		BLACK	8	7
GRAY		RED	7	17
WHITE		BLACK	6	8
WHITE		RED	5	18
YELLOW		BLACK	4	9
YELLOW		RED	3	19
PINK		BLACK	2	10
PINK		RED	1	20

*Refer to the datasheets for the G70V and G7TC for the connector pin layouts of I/O Relay Terminals.



Connector Pin Diagram (from Connector Mating Side)



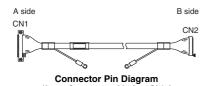
Item		Part				
Terminal	A side	Loose Wires				
Connector	B side	XG5M-2032-N XG5S-2012				
Cable		BC10P-SB AWG24(7/0.203) e cable (Cable color: black)				

- **Note: 1.** The wire gauge of the wires in the cable is 24 AWG (7/ 0.203).
 - 2. Connect terminals 9 and 19 and terminals 10 and 20 together when using the G7TC-OC08.

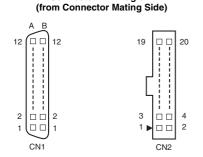
For Fujitsu connectors

(3) Cables with Connectors (1:1) (16 I/O points) XW2Z-R□C

CN1 CN2 1A 20 1B 19 2A 18 2B 17 ЗА 16 15 4A 14 4B 13 5A 12 5B 11 10 6B 9 7A 8 7 7B 8A 6 8B 5 9A 4 9B 3 10A 10B 11A 11B NC 12A



12B



Item	Part		
Terminal	A side	FCN-367J024-AU/F *	
Connector	B side	XG4M-2030-T	
Cable	0.127)	BC10P-SB AWG28(7/ e cable (Cable color:	

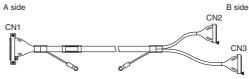
^{*}The connector is made by Fujitsu Component Ltd.

(4) Cables with Connectors (1:2)(32 input points)XW2Z-RI□C-□

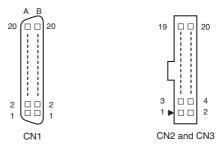
CN1	CN2	CN3
1A	20	
1B		20
2A	18	
2B		18
3A	16	
3B		16
4A	14	
4B		14
5A	12	
5B		12
6A	10	
6B		10
7A	8	
7B		8
8A	6	
8B		6
9A	4	
9B		4
10A	19	
10B		19
11A	17	
11B		17
12A	15	
12B		15
13A	13	
13B		13
14A	11	
14B		11
15A	9	
15B		9
16A	7	
16B		7
17A	5	
17B		5
18A	3	
18B		3
19A		
19B	N	С
20A		
20B		

(5) Cables with Connectors (1:2)(32 output points)XW2Z-RO□C-□

CN1	CN2	CN3				
1A	20					
1B		20				
2A	18					
2B		18				
3A	16					
3B		16				
4A	14					
4B		14				
5A	12					
5B		12				
6A	10					
6B		10				
7A	8					
7B		8				
8A	6					
8B		6				
9A	4					
9B		4				
10A	2					
10B		2				
11A	19					
11B		19				
12A	17					
12B		17				
13A	15					
13B		15				
14A	13					
14B		13				
15A	11					
15B		11				
16A	9					
16B		9				
17A	7					
17B		7				
18A	5					
18B		5				
19A	3					
19B		3				
20A	1					
20B		1				
-	1					



Connector Pin Diagram (from Connector Mating Side)



Item	Part				
Terminal Connector	A side	FCN-367J040-AU/FW *			
Terminal Connector	B side	XG4M-2030-T×2			
Cable	UL2464 BC20P-SB AWG28(7/0.127) Interface cable (Cable color: Gray)				

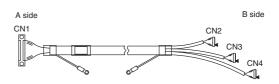
^{*} The connector is made by Fujitsu Component Ltd.

For Fujitsu connectors

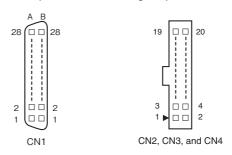
(6) Cables with Connectors (1:3) (48 I/O points)

XW2Z-R□C-□-□

CN1	CN2	CN3	CN4
1A	20		
1B	19		
2A	18		
2B	17		
3A	16		
3B	15		
4A	14		
4B	13		
5A	12		
5B	11		
6A	10		
6B	9		
7A	8		
7B	7		
8A	6		
8B	5		
9A	4		
9B	1		
10A		20	
10B		19	
11A		18	
11B		17	
12A			
		16	
12B		15	
13A		14	
13B		13	
14A		12	
14B		11	
15A		10	
15B		9	
16A		8	
16B		7	
17A		6	
17B		5	
18A		4	
18B		1	
19A			20
19B			19
20A			18
20B			17
21A			
			16
21B			15
22A			14
22B			13
23A			12
23B			11
24A			10
24B			9
25A			8
25B			7
26A			6
26B			5
27A			4
27B			1
_			
28A		NC	



Connector Pin Diagram (from Connector Mating Side)



Item		Part
Terminal	A side	FCN-367J056-AU/FW*
Connector	B side	XG4M-2030-T×3
Cable		BC30P-SB AWG28(7/0.127) e cable (Cable color: Gray)

^{*} The connector is made by Fujitsu Component Ltd.

For MIL connectors

(7) Cables with Connectors (1:1) (16 input points) XW2Z-RI□C

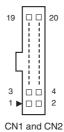
CN1	CN2
3	1
4	2
1	3
2	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

(8) Cables with Connectors (1:1) (16 output points) XW2Z-RO□C

CN1	CN2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20



Connector Pin Diagram (from Connector Mating Side)



CINT and CINZ

Item		Part
Terminal	A side	XG4M-2030-T
Connector	B side	XG4M-2030-T
Cable		BC10P-SB AWG28(7/0.127) e cable (Cable color: Gray)

For MIL connectors

(9) Cables with Connectors (1:2)(32 input points)

XW2Z-RI□-□-D1

CN1	CN2	CN3
1		3
2		4
3		1
4		2
5		5
6		6
7		7
8		8
9		9
10		10
11		11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
20		20
21	3	
22	4	
23	1	
24	2	
25	5	
26	6	
27	7	
28	8	
29	9	
30	10	
31	11	
32	12	
33	13	
34	14	
35	15	
36	16	
37	17	
38	18	
39	19	
40	20	
70		1

(10) Cables with Connectors (1:2)(32 output points)

XW2Z-RO□-□-D1

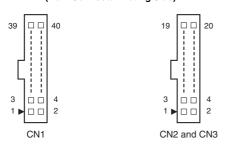
CN1	CN2	CN3
1		1
2		2
3		3
4		4
5		5
6		6
7		7
8		8
9		9
10		10
11		11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
20		20
21	1	
22	2	
23	3	
24	4	
25	5	
26	6	
27	7	
28	8	
29	9	
30	10	
31	11	
32	12	
33	13	
34	14	
35	15	
36	16	
37	17	
38	18	
39	19	
40	20	

(11) Cables with Connectors (1:2) (16 input points/16 output points) XW2Z-RM□-□-D1

CN1	CN2	CN3
1		1
2		2
3		3
4		4
5		5
6		6
7		7
8		8
9		9
10		10
11		11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
20		20
21	3	
22	4	
23	1	
24	2	
25	5	
26	6	
27	7	
28	8	
29	9	
30	10	
31	11	
32	12	
33	13	
34	14	
35	15	
36	16	
37	17	
38	18	
39	19	
40	20	



Connector Pin Diagram (from Connector Mating Side)



***1.** For the XW2Z-RI/O \square - \square -D1. ***2.** For the XW2Z-RM \square - \square -D1.

Item		Part
Terminal	A side	XG4M-4030-T
Connector	B side	XG4M-2030-T×2
Cable		BC20P-SB AWG28(7/0.127) e cable (Cable color: Gray)

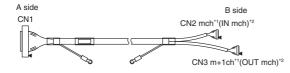
For MIL connectors

(12) Cables with Connectors (1:2) (32 input points) XW2Z-RI□-□-D2

1 1 2 2 3 4 5 5 6 6 7 7 8 8 9 7 8 8 9 7 8 9 10 10 11 11 12 12 13 12 13 12 13 12 13 14 15 15 16 17 18 19 20 19 20 20 21 1 22 2 23 3 24 4 25 5	CN1	CN2	CN3
2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 11 12 12 13 12 13 12 13 12 13 12 13 14 15 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 </td <td></td> <td></td> <td></td>			
3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 9 10 10 11 12 13 12 13 12 13 12 13 14 15 16 17 17 18 19 20 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 <			+
4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 12 13 12 13 12 13 12 13 14 15 15 16 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11			+
5 5 6 6 7 7 8 8 9 9 10 10 11 10 11 12 13 12 13 12 13 14 15 15 16 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12			+
6 6 7 7 8 9 10 10 11 11 12 12 13 12 13 12 13 14 15 14 15 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14			
7 7 8 8 9 9 10 10 11 11 12 12 13 12 13 12 13 14 15 14 15 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14			+
8 8 9 9 10 10 11 11 12 12 13 12 13 12 13 14 15 15 16 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15			
9 9 10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17			
10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 18 19 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18			
12 12 13 13 14 14 15 15 16 16 17 17 18 18 19 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
13 13 14 14 15 15 16 16 17 17 18 18 19 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
14 14 15 15 16 16 17 17 18 18 19 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
15 15 16 16 17 17 18 18 19 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			+
16 16 17 17 18 18 19 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
17 17 18 18 19 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			+
18 18 19 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
19 19 20 20 21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			+
21 1 22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			+
22 2 23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19			
23 3 24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	21	1	
24 4 25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19		2	-
25 5 26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	23	3	
26 6 27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	24	4	
27 7 28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	25	5	
28 8 29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	26	6	
29 9 30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	27	7	
30 10 31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	28	8	
31 11 32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	29	9	
32 12 33 13 34 14 35 15 36 16 37 17 38 18 39 19	30	10	
33 13 34 14 35 15 36 16 37 17 38 18 39 19	31	11	
34 14 35 15 36 16 37 17 38 18 39 19	32	12	
35 15 36 16 37 17 38 18 39 19	33	13	
36 16 37 17 38 18 39 19	34	14	
37 17 38 18 39 19	35	15	
38 18 39 19	36	16	
39 19	37	17	
	38	18	
40 20	39	19	
	40	20	

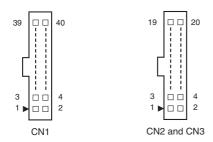
(13) Cables with Connectors (1:2) (16 input points/16 output points) XW2Z-RM□-□-D2

CN1	CN2	CN3
1		1
2		2
3		3
4		4
5		5
6		6
7		7
8		8
9		9
10		10
11		11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
20		20
21		
	1	
22	2	
23	3	
24	4	
25	5	
26	6	
27	7	
28	8	
29	9	
30	10	
31	11	
32	12	
33	13	
34	14	
35	15	
36	16	
37	17	
38	18	
39	19	
40	20	



***1.** For the XW2Z-RI \square - \square -D2. ***2.** For the XW2Z-RM \square - \square -D2.

Connector Pin Diagram (from Connector Mating Side)



Item		Part
Terminal	A side	XG4M-4030-T
Connector	B side	XG4M-2030-T×2
Cable		BC20P-SB AWG28(7/0.127) e cable (Cable color: Gray)

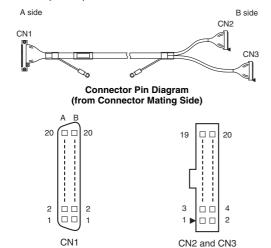
For Mitsubishi Electric PLCs

(14) Mitsubishi Electric PLC Connecting Cables (1:2) (32 input points)

XW2Z-RI□C-MN

CN1	CN2	CN3
1A	NC	
1B	3	
2A	NC	
2B		4
3A		
3B		IC
4A	ı	VC
4B		
5A		5
5B	5	
6A		7
6B	7	
7A		9
7B	9	
8A		11
8B	11	
9A		13
9B	13	
10A		15
10B	15	
11A		17
11B	17	
12A		19
12B	19	
13A		6
13B	6	
14A		8
14B	8	
15A		10
15B	10	
16A		12
16B	12	
17A		14
17B	14	
18A		16
18B	16	
19A		18
19B	18	
20A		20
20B	20	

Note: The G70V or G7TC connector pin numbers are not the same as the XW2Z-R Cable connector pin numbers. Refer to the datasheet for specific products for details.



(15) Mitsubishi Electric PLC Connecting Cables (1:2) (32 output points)

XW2Z-RO□C-MN

CN1	CN2	CN3
1A		4
1B		2
2A	4	
2B	2	
ЗА		
3B	,	NC
4A	'	NC .
4B		
5A		5
5B	5	
6A		7
6B	7	
7A		9
7B	9	
8A		11
8B	11	
9A		13
9B	13	
10A		15
10B	15	
11A		17
11B	17	
12A		19
12B	19	
13A		6
13B	6	
14A		8
14B	8	
15A		10
15B	10	
16A		12
16B	12	
17A		14
17B	14	
18A		16
18B	16	
19A		18
19B	18	
20A		20
20B	20	
-	-	1

Note: The G70V or G7TC connector pin numbers are not the same as the XW2Z-R Cable connector pin numbers. Refer to the datasheet for specific products for details.

Item	Part	
Terminal	A side	FCN-367J040-AU/FW*
Connector	B side	XG4M-2030-T×2
Cable	UL2464 BC20P-SB AWG28(7/0.127) Interface cable (Cable color: Gray)	

^{*}The connector is made by Fujitsu Component Ltd.

Ratings and Specifications

Rated current	1 A	
Rated voltage	250 V	
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.) *	
Insulation resistance	1000 MΩ min. (at 500 VDC) *	
Dielectric strength	500 VAC for 1 min (leakage current: 1 mA max.)	
Ambient operating temperature	0 to 80°C	

^{*} These values are for the connectors.

Safety Precautions

Be sure to read *Safety Precautions for All I/O Relay Terminals* in the website at: http://www.ia.omron.com/.

Warning Indications

Precautions for
Correct Use

Supplementary comments on what to do or avoid doing, to prevent failure to operate, malfunction, or undesirable effects on product performance.

Precautions for Correct Use

Wiring

- Do not perform wiring work, remove connectors, or connect connectors while power is being supplied. Electric shock or damage to the device may result.
- Double-check all wiring before turning ON the power supply.
- After wiring, route the cable so that force is not applied directly to the connections.

Bending Radius of Connecting Cables

• To prevent damaging the Connecting Cables, use the following minimum bending radii as guidelines. Minimum bending radius

Wiring diagram No.	Model	Minimum bending radius (mm)	
(1)	XW2Z-RY□C	68	
(2)	XW2Z-RA□C	50	
(3)	XW2Z-R□C	68	
(4)	XW2Z-RI□C-□	88	
(5)	XW2Z-RO□C-□	00	
(6)	XW2Z-R□C-□-□	99	
(7)	XW2Z-RI□C	68	
(8)	XW2Z-RO□C	00	
(9)	XW2Z-RI□-□-D1		
(10)	XW2Z-RO□-□-D1		
(11)	XW2Z-RM□-□-D1		
(12)	XW2Z-RI□-□-D2	88	
(13)	XW2Z-RM□-□-D2		
(14)	XW2Z-RI□C-□-MN		
(15)	XW2Z-RO□C-□-MN		

Refer to the manuals for the connected PLC for the connections to I/O Units for OMRON PLCs.

Series	Model	Man. No.	Manual Name
CS1	CS1G-CPU□□H, CS1H-CPU□□H	W339	Programmable Controllers Operation Manual
CJ1	CJ1H-CPU□□H-R, CJ1G/H-CPU□□H, CJ1G-CPU□□P, CJ1M-CPU□□, CJ1G-CPU□□	W393	CJ Series Programmable Controllers Operation Manual
CJ2	CJ2H-CPU6□-EIP, CJ2H-CPU6□, CJ2M-CPU□□	W472	CJ-series CJ2 CPU Unit Hardware User's Manual
NJ	NJ501-□□□	W500	NJ-series CPU Unit Hardware User's Manual
NX	NX-IDDDDDD, NX-IADDDD, NX-ODDDDDD, NX-OCDDDDD, NX-MDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	W521	NX-series Digital I/O Units User's Manual

MEMO

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