ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *OMRON G79-500C* at our website: *Click HERE*

OMRON

Cables for Relay Blocks

G79

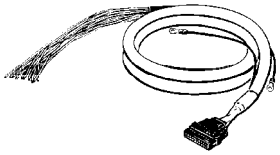
Connect Economical Relay Blocks with Controllers from Omron and Other Manufacturers

- General-purpose cables connect relay blocks to any manufacturer's controllers
- Dedicated cables for Omron's high-density PLC modules available

Ordering Information

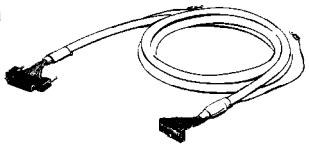
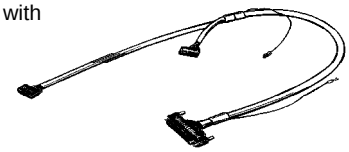
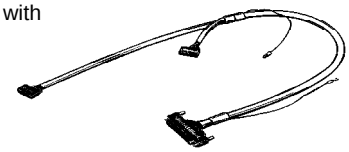
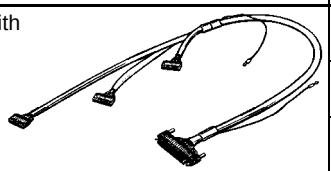
GENERAL-PURPOSE CABLES

The following cables can be connected to I/O boards and PLC modules from any manufacturer.

Item	Length	Part number
Connecting cable with crimp hook terminals 	1 m (3.28 ft)	**G79-Y100C**
	1.5 m (4.92 ft)	**G79-Y150C**
	2 m (6.56 ft)	**G79-Y200C**
	3 m (9.84 ft)	**G79-Y300C**
	5 m (16.40 ft)	**G79-Y500C**
Connecting cable with loose wires 	2 m (6.56 ft)	**G79-A200C**
	5 m (16.40 ft)	**G79-A500C**

DEDICATED CONNECTING CABLES FOR OMRON PLC MODULES

The following cables are designed to connect directly to Omron PLC modules and have dedicated connectors for specific models.

Item	Length	Part number
Connecting cable with one connector for high-density I/O modules 	1 m (3.28 ft)	**G79-100C**
	1.5 m (4.92 ft)	**G79-150C**
	2 m (6.56 ft)	**G79-200C**
	3 m (9.84 ft)	**G79-300C**
	5 m (16.40 ft)	**G79-500C**
Connecting cable with two connectors for high-density input modules 	1 m (3.28 ft) + 0.75 m (2.46 ft)	**G79-I100C-75**
	1.5 m (4.92 ft) + 1.25 m (4.10 ft)	**G79-I150C-125**
	2 m (6.56 ft) + 1.75 m (5.74 ft)	**G79-I200C-175**
	3 m (9.84 ft) + 2.75 m (9.02 ft)	**G79-I300C-275**
	5 m (16.40 ft) + 4.75 m (15.58 ft)	**G79-I500C-475**
Connecting cable with two connectors for high-density output modules 	1 m (3.28 ft) + 0.75 m (2.46 ft)	**G79-O100C-75**
	1.5 m (4.92 ft) + 1.25 m (4.10 ft)	**G79-O150C-125**
	2 m (6.56 ft) + 1.75 m (5.74 ft)	**G79-O200C-175**
	3 m (9.84 ft) + 2.75 m (9.02 ft)	**G79-O300C-275**
	5 m (16.40 ft) + 4.75 m (15.58 ft)	**G79-O500C-475**
Connecting cable with three connectors for CS1 high-density I/O modules 	1.5 m (4.92 ft) + 1.25 m (4.10 ft) + 1 m (3.28 ft)	**G79-150C-125-100**
	2 m (6.56 ft) + 1.75 m (5.74 ft) + 1.5 m (4.92 ft)	**G79-200C-175-150**
	3 m (9.84 ft) + 2.75 m (9.02 ft) + 2.5 m (8.20 ft)	**G79-300C-275-250**

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

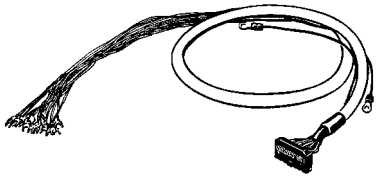
Operation

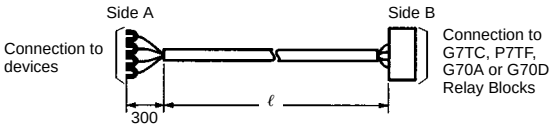
■ GENERAL-PURPOSE CONNECTORS

G79-Y□C Cable with Crimp Terminals

Length (ℓ)	Part number
1,000 mm (3.28 ft)	G79-Y100C
1,500 mm (4.92 ft)	G79-Y150C
2,000 mm (6.56 ft)	G79-Y200C
3,000 mm (9.84 ft)	G79-Y300C
5,000 mm (16.40 ft)	G79-Y500C

Convenient for connecting screw terminals to Relay Input and Output Blocks





Note: 1. Keep the line capacity to 50 mA per I/O or less. Also, check the capacity of the relay drive element against the power consumption of the I/O relay before output applications.
2. I/O Terminal connector pin numbers are written on the loose wires.
3. When connecting the G7TC-OC, connect terminals No. 9 and 19 the same and terminals No. 10 and 20 the same.

Connections

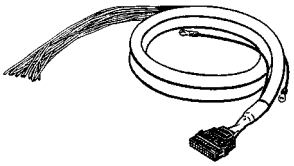
Tube no.		Wire no.	Color of insulator	Dot mark	Dot color	Connector no.	
Side A	20	1	Light brown	■	Black	20	Side B
	10			■	Red	10	
	19	2	Yellow	■	Black	19	
	9			■	Red	9	
	18	3	Light green	■	Black	18	
	8			■	Red	8	
	17	4	Gray	■	Black	17	
	7			■	Red	7	
	16	5	White	■	Black	16	
	6			■	Red	6	
	15	6	Light brown	■■	Black	15	
	5			■■	Red	5	
	14	7	Yellow	■■	Black	14	
	4			■■	Red	4	
	13	8	Light green	■■	Black	13	
	3			■■	Red	3	
	12	9	Gray	■■	Black	12	
	2			■■	Red	2	
	11	10	White	■■	Black	11	
	1			■■	Red	1	

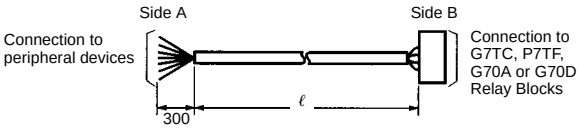
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

G79-A□C Cable with Loose Wires

Length (ℓ)	Part number
2,000 mm (6.56 ft) 5,000 mm (16.40 ft)	G79-A200C G79-A500C

Device connection end provides loose wires.





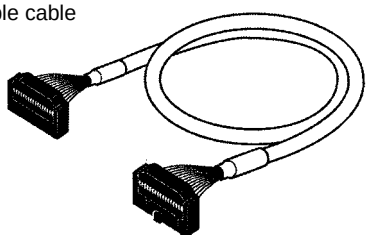
Note: 1. Loose wires are AWG24 (wire diameter: 0.6 mm).
2. When connecting the G7TC-OC, connect terminals No. 9 and 19 the same and terminals No. 10 and 20 the same.

Connections

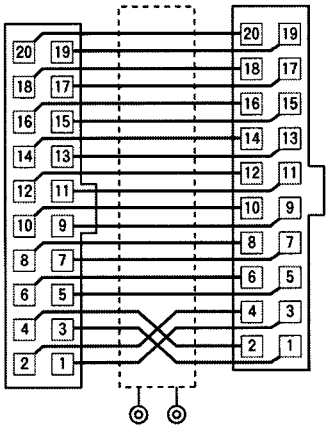
Tube no.	Wire no.	Color of insulator	Dot mark	Dot color	Connector no.	
Side A	1	Light brown	■	Black	1	Side B
			■	Red	11	
	2	Yellow	■	Black	2	
			■	Red	12	
	3	Light green	■	Black	3	
			■	Red	13	
	4	Gray	■	Black	4	
			■	Red	14	
	5	White	■	Black	5	
			■	Red	15	
	6	Light brown	■■	Black	6	
			■■	Red	16	
	7	Yellow	■■	Black	7	
			■■	Red	17	
	8	Light green	■■	Black	8	
			■■	Red	18	
	9	Gray	■■	Black	9	
			■■	Red	19	
	10	White	■■	Black	10	
			■■	Red	20	

G79-I50C and G79-O50C Cables Connect CompoBus/S SRT-VID16/VOD16 Modules to G7TC Relay I/O Blocks

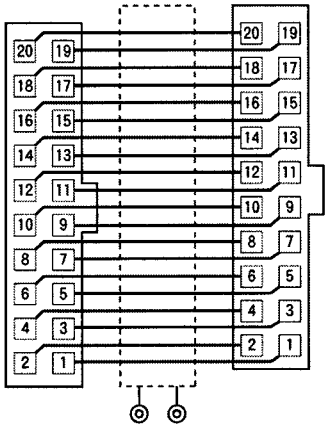
MIL-compatible cable



Straight power supply cable
G79-O50C (L = 500 mm)
G79-O25C (L = 250 mm)



Cross power supply cable
G79-I50C (L = 500 mm)
G79-I25C (L = 250 mm)



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

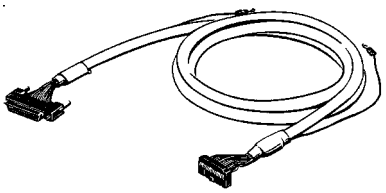
Applicable Relay I/O Blocks and Screw Terminals		Connector Cable for Output Blocks		
Part number	No. of points	Cable type	Length (ℓ)	Part number
G7TC-ID16 G7TC-IA16 G7TC-OC16-1	16-point DC input block 16-point AC input block 16-point PNP output block	Cross power supply cable	250 mm (9.84 in)	G79-I25C
			500 mm (1.64 ft)	G79-I50C
G7TC-OC16 G7TC-OC08 G7TC-ID16-5 G7TC-IA16-5 G70A series G70D series XW2B-□□G4 XW2B-□□G5	16-point output block 8-point output block 16-point DC input block 16-point AC input block 16-point input and output bases 16-point output blocks Screw terminals, M3 Screw terminals, M3.5	Straight power supply cable	250 mm (9.84 in)	G79-O25C
			500 mm (1.64 ft)	G79-O50C

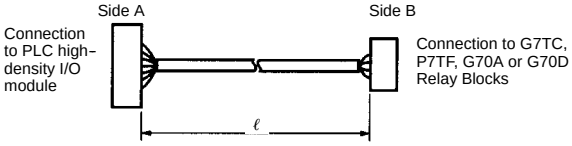
■ DEDICATED CONNECTING CABLES FOR OMRON PLC MODULES

Guidelines

The number of I/O points used must correspond to the number of Output Blocks.
The number of I/O connectors used must correspond to the number of cables.

G79-□C Cable with Connector (1:1)





Applicable Omron PLC High-density I/O Modules		Connector Cable for Output Blocks	
Part number	No. of points	Length (ℓ)	Part number
C200H-ID215 C200H-MD215 C200H-OD215 C500-MD211CN C500-OD415CN	32 input points (2 cables) 16 inputs/16 outputs (2 cables) 32 output points (2 cables) 16 inputs/16 outputs (2 cables) 32 output points (2 cables)	1,000 mm (3.28 ft)	G79-100C
		1,500 mm (4.92 ft)	G79-150C
		2,000 mm (6.56 ft)	G79-200C
		3,000 mm (9.84 ft)	G79-300C
		5,000 mm (16.40 ft)	G79-500C

Connections

PLC side pinout		Wire no.	Color of insulator	Dot mark	Dot color	Terminal side pinout	
Side A	B10	1	Light brown	■	Black	20	Side B
	A10	2		■	Red	10	
	B9	3	Yellow	■	Black	19	
	A9	4		■	Red	9	
	B8	5	Light green	■	Black	18	
	A8	6		■	Red	8	
	B7	7	Gray	■	Black	17	
	A7	8		■	Red	7	
	B6	9	White	■	Black	16	
	A6	10		■	Red	6	
	B5	11	Light brown	■■	Black	15	
	A5	12		■■	Red	5	
	B4	13	Yellow	■■	Black	14	
	A4	14		■■	Red	4	
	B3	15	Light green	■■	Black	13	
	A3	16		■■	Red	3	
	B2	17	Gray	■■	Black	12	
	A2	18		■■	Red	2	
	B1	19	White	■■	Black	11	
	A1	20		■■	Red	1	

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

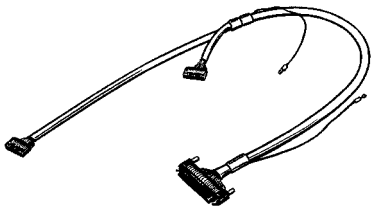
C200H, C500, CV/CVM1 connection			I/O Terminal connection		
PLC I/O Unit	**Plug**	**Appllicable socket**	**I/O Terminal**	**Plug**	**Applicable socket**
C200H-ID215 C200H-OD215 C200H-MD215 3G2A5-ID218 C500-MD211CN C500-OD415CN	Two plugs, FCN-365P024-AU (by Fujitsu)	Applicable Connectors (by Fujitsu) Two of any of the following are applicable; the first set is included with the Terminal. 1. FCN-361J024-AU (connector, soldered) FCN-363J024-B (connector cover) 2. FCN-363J024-AU (connector, crimp) FCN-360C024-B 3. FCN-367J24-AU/F (connector, crimp) Common: 1 A max.	G70D-SOC16 G70D-FOM16 G7TC-IA16 G7TC-ID16 G7TC-OC16 G7TC-OC08 G70A-ZOC16-3	OMRON (MIL) XG4A-2031	OMRON (MIL) XG4M-2030 XG4T-2004 (The socket is included with the G79 Connecting Cable and not with the Terminal.)

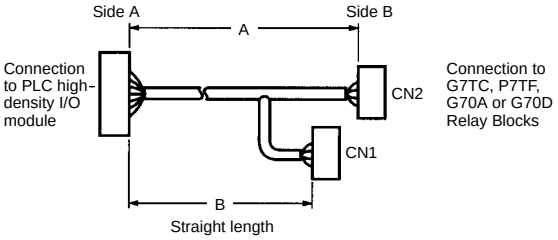
The following OMRON loose-wire, crimp-type sockets can also be used if you are wiring your own connecting cables:

Sockets: XG5M-2035-N; Applicable wire: AWG26 to AWG28 (UL-1007)
XG5M-2032-N; Applicable wire: AWG24 (UL-1061)

Covers: XG5S-1001 (Two used)
XG5S-2012 (Two used)

G79-O□C-□/-I□C-□ Cable with Connectors (1:2)





Input and Output Cables are available for Omron PLCs.
Input: cables are identified with red tape color; output cables are identified with yellow tape color.

Applicable Omron PLC High-density I/O modules		Length		For input	For output
Part number	**No. of points**	**A**	**B**	**Part number**	**Part number**
C200H-ID216 C200H-ID217 3G2A5-ID219 CQM1-ID213 C200H-OD218 C200H-OD219 C500-OD213 CQM1-OD213	32 input points 64 input points 64 input points 32 input points 32 output points 64 output points 64 output points 32 output points	1 m (3.28 ft) 1.5 m (4.92 ft) 2 m (6.56 ft) 3 m (9.84 ft) 5 m (16.40 ft)	0.75 m(2.45 ft) 1.25 m(4.10 ft) 1.75 m(5.74 ft) 2.75 m(9.02 ft) 4.75 m (15.58 ft)	G79-I100C-75 G79-I150C-125 G79-I200C-175 G79-I300C-275 G79-I500C-475	G79-O100C-75 G79-O150C-125 G79-O200C-175 G79-O300C-275 G79-O500C-475

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Connections for G79-O□C-□/-I□C-□ Cable

PLC side pinout		Wire no.	Color of insulator	Dot mark	Dot color	Terminal side pinout	
Side A	1A	1	Light brown	■	Black	1	Side B
	2A	3	Yellow	■	Black	2	CN1
	3A	5	Light green	■	Black	3	
	4A	7	Gray	■	Black	4	
	5A	9	White	■	Black	5	
	6A	11	Light brown	■■	Black	6	
	7A	13	Yellow	■■	Black	7	
	8A	15	Light green	■■	Black	8	
	9A	17	Gray	■■	Black	9	
	10A	19	White	■■	Black	11	
	11A	21	Light brown	■■■	Black	12	
	12A	23	Yellow	■■■	Black	13	
	13A	25	Light green	■■■	Black	14	
	14A	27	Gray	■■■	Black	15	
	15A	29	White	■■■	Black	16	
	16A	31	Light brown	■■■■	Black	17	
	17A	33	Yellow	■■■■	Black	18	
	18A	35	Light green	■■■■	Black	19	
	19A	37	Gray	■■■■	Black	---	
	20A	39	White	■■■■	Black	---	
Side A	1B	2	Light brown	■	Red	(1)	Side B
	2B	4	Yellow	■	Red	(2)	CN2
	3B	6	Light green	■	Red	(3)	
	4B	8	Gray	■	Red	(4)	
	5B	10	White	■	Red	(5)	
	6B	12	Light brown	■■	Red	(6)	
	7B	14	Yellow	■■	Red	(7)	
	8B	16	Light green	■■	Red	(8)	
	9B	18	Gray	■■	Red	(9)	
	10B	20	White	■■	Red	(11)	
	11B	22	Light brown	■■■	Red	(12)	
	12B	24	Yellow	■■■	Red	(13)	
	13B	26	Light green	■■■	Red	(14)	
	14B	28	Gray	■■■	Red	(15)	
	15B	30	White	■■■	Red	(16)	
	16B	32	Light brown	■■■■	Red	(17)	
	17B	34	Yellow	■■■■	Red	(18)	
	18B	36	Light green	■■■■	Red	(19)	
	19B	38	Gray	■■■■	Red	---	
	20B	40	White	■■■■	Red	---	

Note: A triangle mark on the Side B connectors at Pin 20 mates to Pin 1 on the terminal blocks.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Applicable 32-point Sockets

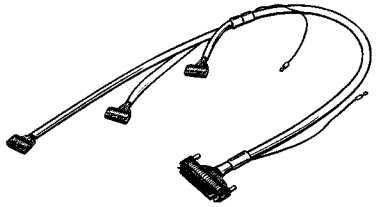
C200H, C500, CV/CVM1 connection			I/O Terminal connection		
PLC I/O Unit	**Plug**	**Appllicable socket**	**I/O Terminal**	**Plug**	**Applicable socket**
C200H-ID216 C200H-ID217 3G2A5-ID219 CQM1-ID213	Two plugs, FCN-365P040-AU (by Fujitsu)	Applicable Connectors (by Fujitsu) Two of any of the following are applicable; the first set is included with the Terminal. 1. FCN-361J040-AU (connector, soldered) FCN-360C040-B (connector cover) 2. FCN-363J040-AU (connector, crimp) FCN-360C040-B 3. FCN-367J040-AU/F (connector, crimp)	G70D-SOC16 G70D-FOM16 G7TC-IA16 G7TC-ID16 G7TC-OC16 G7TC-OC08 G70A-ZOC16-3	OMRON (MIL) XG4A-2031	OMRON (MIL) XG4M-2030 XG4T-2004 (The socket is included with the G79 Connecting Cable and not with the Terminal.)
C200H-OD218 C200H-OD219 3G2A5-OD213 CQM1-OD213					

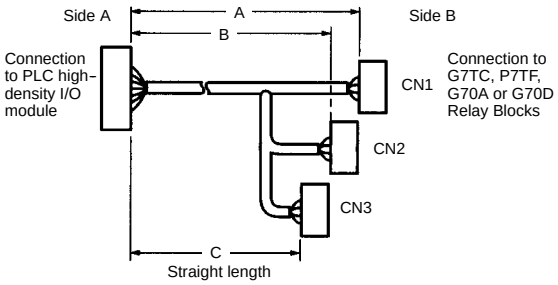
Note: The following OMRON loose-wire, crimp-type sockets can also be used if you are wiring your own connecting cables:

Sockets: XG5M-2035; Applicable wire: AWG26 to AWG28 (UL-1007)
XG5M-2032; Applicable wire: AWG24 (UL-1061)

Covers: XG5S-1001 (Two used)
XG5S-2012 (Two used)

G79-□C-□-□ Cable with Connector (1:3)





Applicable Omron PLC High-density I/O Modules		Connector Cable for Output Blocks			
		Length (ℓ)			Part number
Part number	**No. of output points**	**A**	**B**	**C**	
CS1W-ID291 CS1W-OD29□ CS1W-MD29□	96 inputs 96 outputs 48 inputs/48 outputs	1,500 mm (4.92 ft)	1,250 mm (4.10 ft)	1,000 mm (3.28 ft)	G79-150C-125-100
		2,000 mm (6.56 ft)	1,750 mm (5.74 ft)	1,500 mm (4.92 ft)	G79-200C-175-150
		3,000 mm (9.84 ft)	2,750 mm (9.02 ft)	2,500 mm (8.20 ft)	G79-300C-275-250

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Connections for G79-□C-□-□ Cable with Connector (1:3)

PLC side pinout		Wire no.	Color of insulator	Dot mark	Dot color	Terminal side pinout	
Side A	1A	1	Orange	■	Red	1	Side B
	1B	1	Orange	■	Black	11	CN1
	2A	2	Yellow	■	Red	2	
	2B	2	Yellow	■	Black	12	
	3A	3	Green	■	Red	3	
	3B	3	Green	■	Black	13	
	4A	4	Gray	■	Red	4	
	4B	4	Gray	■	Black	14	
	5A	5	White	■	Red	5	
	5B	5	White	■	Black	15	
	6A	6	Orange	■■	Red	6	
	6B	6	Orange	■■	Black	16	
	7A	7	Yellow	■■	Red	7	
	7B	7	Yellow	■■	Black	17	
	8A	8	Green	■■	Red	8	
	8B	8	Green	■■	Black	18	
	9A	9	Gray	■■	Red	9	
	9B	9	Gray	■■	Black	20	
Side A	10A	10	White	■■	Red	1	Side B
	10B	10	White	■■	Black	11	CN2
	11A	11	Orange	■■■	Red	2	
	11B	11	Orange	■■■	Black	12	
	12A	12	Yellow	■■■	Red	3	
	12B	12	Yellow	■■■	Black	13	
	13A	13	Green	■■■	Red	4	
	13B	13	Green	■■■	Black	14	
	14A	14	Gray	■■■	Red	5	
	14B	14	Gray	■■■	Black	15	
	15A	15	White	■■■	Red	6	
	15B	15	White	■■■	Black	16	
	16A	16	Orange	■■■■	Red	7	
	16B	16	Orange	■■■■	Black	17	
	17A	17	Yellow	■■■■	Red	8	
	17B	17	Yellow	■■■■	Black	18	
	18A	18	Green	■■■■	Red	9	
	18B	18	Green	■■■■	Black	20	

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Connections for G79-□C-□-□ Cable with Connector (1:3) continued

Side A	19A	19	Gray	■■■■	Red	1	Side B
	19B	19	Gray	■■■■	Black	11	CN3
	20A	20	White	■■■■	Red	2	
	20B	20	White	■■■■	Black	12	
	21A	21	Orange	■■■■■	Red	3	
	21B	21	Orange	■■■■■	Black	13	
	22A	22	Yellow	■■■■■	Red	4	
	22B	22	Yellow	■■■■■	Black	14	
	23A	23	Green	■■■■■	Red	5	
	23B	23	Green	■■■■■	Black	15	
	24A	24	Gray	■■■■■	Red	6	
	24B	24	Gray	■■■■■	Black	16	
	25A	25	White	■■■■■	Red	7	
	25B	25	White	■■■■■	Black	17	
	26A	26	Orange	Long 1	Red	8	
	26B	26	Orange	Long 1	Black	18	
	27A	27	Yellow	Long 1	Red	9	
	27B	27	Yellow	Long 1	Black	20	
	28A	28	---	---	---	---	
	28B	28	---	---	---	---	

NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON®

OMRON ELECTRONICS, INC.
One East Commerce Drive
Schaumburg, IL 60173
1-800-55-OMRON

OMRON CANADA, INC.
885 Milner Avenue
Scarborough, Ontario M1B 5V8
416-286-6465

Cat. No. GC RIO-1 04/00 Specifications subject to change without notice. Printed in U.S.A.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP