



# SERIES SIX

## PROGRAMMABLE CONTROLLERS

GEK-83517C

2 feet to 500 feet lengths

### I/O CABLE

#### GENERAL DESCRIPTION

The Input/Output (I/O) cable, consisting of 16, twisted-pair wires and two connectors, provides electrical continuity for the parallel I/O Bus as it extends from rack to rack within a Local, Central Processor Unit (CPU) or Remote I/O station; it can also connect a Local station to another Local station, or to a CPU station. Refer to Table 1 for I/O Cable features and benefits.

The cable is shielded and individual twisted-pair wires are color-coded. (Refer to Figure 3, next page). The cable is available in lengths ranging from 2 ft. (.6m) to 500 ft. (152.5 meters).

Refer to Figure 1 (below) for I/O Cable specifications.

TABLE 1. FEATURES AND BENEFITS

FEATURES	BENEFITS
Available in lengths from 2 feet to 500 feet.	Provides flexibility in Series Six setup.
Color-coded twisted-pairs.	Simplifies troubleshooting.

- Cable Outside-Diameter: 0.465 ± 0.020 (inches) 11.8 ± 0.5 (mm)	- Jacket: PVC material, 300V insulation Temperature: -20°C to +80°C
- Cable Length: 2 feet (0.6m) to 500 feet (152.4m) in standard lengths (determined by part number).	- Internal Arrangement: 16 twisted pair with overall shield
- Conductor Size: No. 22 AWG (each wire)	- Connectors: 37-Pin D-Type Connector. One male, one female connector per cable

FIGURE 1. SPECIFICATIONS

Connector Terminal	Wire Color	Connector Terminal	Wire Color
# 1	NO CONNECTION	20	GRAY-RED
2	BLUE-WHITE	21	RED-GRAY
3	WHITE-BLUE	22	BLUE-BLACK
4	ORANGE-WHITE	23	BLACK-BLUE
5	WHITE-ORANGE	24	ORANGE-BLACK
6	GREEN-WHITE	25	BLACK-ORANGE
7	WHITE-GREEN	26	GREEN-BLACK
8	BROWN-WHITE	27	BLACK-GREEN
9	WHITE-BROWN	28	BROWN-BLACK
10	GRAY-WHITE	29	BLACK-BROWN
11	WHITE-GRAY	30	GRAY-BLACK
12	BLUE-RED	31	BLACK-GRAY
13	RED-BLUE	32	BLUE-YELLOW
14	ORANGE-RED	33	YELLOW-BLUE
15	RED-ORANGE	34	NOT USED
16	GREEN-RED	35	NOT USED
17	RED-GREEN	36	NOT USED
18	BROWN-RED	37	SHIELD
19	RED-BROWN		

**NOTE**

**Same terminals at either end.**

FIGURE 3. TWISTED-PAIR COLOR CODES

**ORDERING INFORMATION**

<u>Part Number</u>		
IC600WD002A	2-foot Cable with Connectors	0.6 Meters
IC600WD005A	5-foot Cable with Connectors	1.5 Meters
IC600WD010A	10-foot Cable with Connectors	3.0 Meters
IC600WD025A	25-foot Cable with Connectors	7.5 Meters
IC600WD050A	50-foot Cable with Connectors	15.0 Meters
IC600WD100A	100-foot Cable with Connectors	30.0 Meters
IC600WD200A	200-foot Cable with Connectors	60.0 Meters
IC600WD500A	500-foot Cable with Connectors	150.0 Meters

**CATALOG NUMBER REVISION SUFFIX**

The equipment listed above having the catalog numbers shown and the same equipment having a higher alpha suffix is designed for listing by UL for use as auxiliary control devices. The equipment is a direct replacement for equipment having the same catalog number but a lower alpha suffix.



This symbol on the nameplate means the product is listed by Underwriters Laboratories Inc. (UL Standard No. 508, Industrial Control Equipment, subsection Electronic Power Conversion Equipment.)

For further information, contact your local GE Fanuc sales office.

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