

2.3.4 Wiring instructions

- 1) Use shielded or twisted cables for connection to the control circuit terminals and run them away from the main and power circuits (including the 200V relay sequence circuit).
- 2) Use two or more parallel micro-signal contacts or twin contacts to prevent a contact faults when using contact inputs since the control circuit input signals are micro-currents.





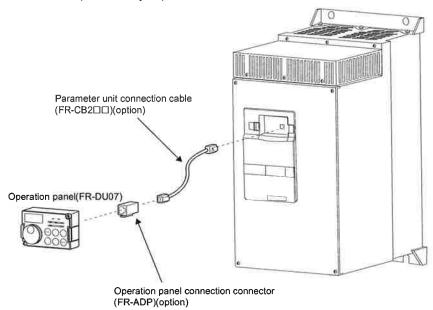
Micro signal contacts

Twin contacts

- 3) Do not apply a voltage to the contact input terminals (e.g. STF) of the control circuit.
- 4) Always apply a voltage to the fault output terminals (A, B, C) via a relay coil, lamp, etc.
- 5) It is recommended to use the cables of 0.75mm² gauge for connection to the control circuit terminals.
 If the cable gauge used is 1.25mm² or more, the front cover may be lifted when there are many cables running or the cables are run improperly, resulting in an operation panel contact fault.
- 6) The wiring length should be 30m(200m for terminal FM) maximum.

2.3.5 When connecting the operation panel using a connection cable

When connecting the operation panel (FR-DU07) to the inverter using a cable, the operation panel can be mounted on the enclosure surface and operationality improves.



= CAUTION :

Do not connect the PU connector to the computer's LAN port, FAX modem socket or telephone connector. The inverter and machine could be damaged due to differences in electrical specifications.

REMARKS

- Refer to page 4 for removal method of the operation panel.
- Overall wiring length when the operation panel is connected: 20m maximum
- Refer to the following when fabricating the cable on the user side.
 Commercially available product examples (as of Sep., 2006)

	Product	Туре	Maker
1)	10BASE-T cable	SGLPEV-T 0.5mm × 4P	Mitsubishi Cable Industries, Ltd.
2)	RJ-45 connector	5-554720-3	Tyco Electronics Corporation

The inverter can be connected to the computer and FR-PU04/FR-PU07.