### 3.2 Wiring

**Precautions for wiring**

- **Shielded twisted-pair connected.**
- **Never let cutting chips and wire chips enter the ventilation slits of this product.**
- **For noise prevention please attach at least 50 mm (1.97") of the twisted-pair cable on one side of the control cabinet.**
- **For details of wiring, refer to Section 3.2.**

**Grounding pad connected.**

**Precautions for grounding pad connected.**

- **Always use the product in conjunction with the FX3U programmable controller.**
- **Check the product installation and wiring instructions before using the product.**

**Precautions for installation.**

- **DO NOT lay close to the main circuit, high-voltage power line, or load line.**
- **Otherwise effects of noise or surge induction are likely to take place.**

**Caution for wiring.**

- **Avoid laying wires close or bundling with the main circuit, high-voltage power line, or load line.**
- **Otherwise effects of noise or surge induction are likely to take place.**

**Precautions for noise prevention.**

- **For details, refer to the FX3U Series User’s Manual - Hardware Edition.**

### 4.4 Performance Specifications

**Specifications of the FX3U-64DP-M.**

**Data sheet.**

- **24V DC, 155 mA is supplied from the internal power supply (service power supply) in normal operation.**
- **[3] Direct mounting hole:2 holes of 6.562") of the upper side.**

**Termination resistors:**

- **200 m (656') / segment**
- **400 m (13,123')**
- **800 m (26,246')**
- **187.5 kΩ & 150 kΩ**

### 4.5 Maximum Bus Length and Baud Rate

**Specifications of the FX3U-64DP-M.**

**Data sheet.**

- **Maximum bus length:**
  - **1: 1,500 m (4,921')**
  - **2: 3,000 m (9,842')**

**Baud rate:**

- **1: 9,600 bps**
- **2: 38,400 bps**
- **3: 115,200 bps**
- **4: 230,400 bps**

**Note:** This symbol mark is for China only.
Prior to using the product for special purposes such as nuclear power, electric power, coal, or gas power, consult Mitsubishi Electric. If the product is used in such a place described above, serious shock, fire, explosion, danger, or damage may be caused.

Install the product securely using the enclosed screws or bolts.

Insert the product connection securely using the enclosed screws or bolts.

Before removing the product from the main unit, turn off power for the main unit.

Do not touch the conductive parts of the product directly, in order to avoid electrical shock.

Before cleaning or retightening terminals, externally cut off all phases of the power supply.
3.2 Wiring


cautions:

Danger

- Make sure to observe all precautions before wiring or connecting power.
- This equipment may be hazardous if not used in accordance with these instructions. Consult the manual for detailed information.

- Failure to observe the instructions may lead to serious injury.

- Improper use of equipment may result in damage to the equipment or other property.

- Improper use of equipment may result in serious injury.

- Improper use of equipment may result in equipment failure.

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