## NOMENCLATURE

Table 1-3 is a list of related hardware. Hardware and cables with part numbers are listed in Table 1-4.

*Table 1-3. Nomenclature*

| Nomenclature | Hardware |
|---|---|
| HCBL01 | RS-232-C Cable |
| IISAC01 | Analog control station |
| IMMFC03<br>IMMFC04<br>IMMFC05 | Multi-function controller module |
| INICT01 | INFI-NET to computer transfer module |
| NPCT01 | Plant Loop to computer transfer module |
| INPPT01 | Plant Loop to plant loop transfer module |
| NDCS03 | Digital control station |
| NICS01 | Control/station termination module |
| NIDS01 | Digital station termination module |
| NKTM01 | Termination module cable (ribbon) |
| NKTU02 | Termination module cable (PVC) |
| NKTU12 | Termination module cable (non-PVC) |
| NTMU01 | Termination mounting unit (rear mount) |
| NTMU02 | Termination mounting unit (front mount) |

## SPECIFICATIONS

Refer to Table 1-4 for the specifications of the NIMF01 and NIMF02 termination modules.

*Table 1-4. Specifications*

| Property | Characteristic/Value |
|---|---|
| **Power Requirements** | +24 VDC<br><br>160 mA current consumption, maximum (the LED consumes 10 mA) |
| **Communication** | 2 RS-232-C ports<br><br>1 serial link for stations |
| **Cable Insulation Specifications**<br>PVC (UL Rating CL2)<br><br>Non-PVC (UL Rating PLTC) | <br><br>80°C (176°F) at 300 V<br><br>90°C (194°F) at 300 V |

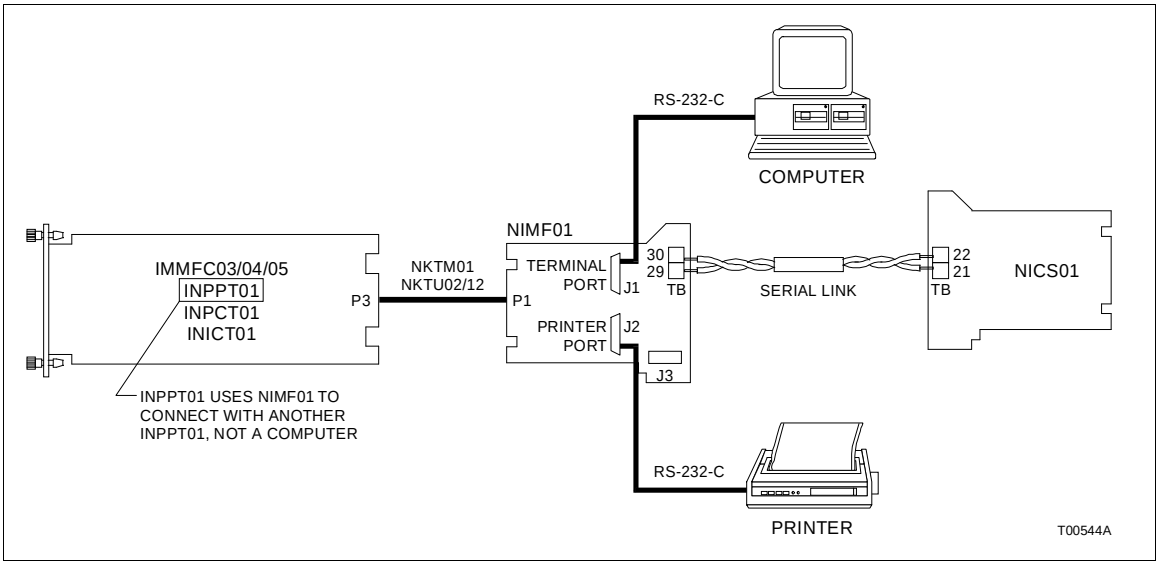


*Figure 2-13. NIMF01 Cable Connections*

*Table 2-1. IMF Cable Applications, Cable Connections and Length Requirements*

| Cable | Connections | | | | Maximum Length | |
|---|---|---|---|---|---|---|
| | From | | To | | | |
| HCBL01 | DCE or DTE device | DB-25 | NIMP01 | J1 or J2 | 15 | 50[1] |
| NKTM01 | NIMF01 | P1 | Primary module | P3 | 30 | 100 |
| | NIMF02 | P1 | Redundant module | P3 | 30 | 100 |
| NKTU02 or NKTU12 | NIMF01 | P1 | Primary module | P3 | 61 | 200 |
| | NIMF02 | P1 | Redundant module | P3 | 61 | 200 |
| R2041-1976 | NIMF01 | TB29 and TB30 | NICS01 | TB21 and TB22 | 457 | 1500 |
| 6645508A2 | NIMF01 | J3 | NIMF02 | J3 | 30 | 100 |

**NOTE**:
1. The specified maximum length only applies to the HCBL01 cable. The performance of INFI 90 modules do not place a restriction on the maximum length of the RS-232-C cable. Follow industry-wide accepted RS-232-C practices and rules when selecting a suitable RS-232-C cable for your system.

2. Ensure the IMF module is pulled out far enough to gain access to the terminal strip.

3. Feed the serial link wiring into the terminal strip area and connect them to the appropriate terminals.