General
The FA-M3 CPU Port Cables are used to connect CPU modules such as sequence CPU modules to personal computers, displays and other external devices. The CPU modules are connected via a programming tool interface connector (labeled "PROGRAMMER").

Model and Specifications

<table>
<thead>
<tr>
<th>Suffix Code</th>
<th>Style Code</th>
<th>Name</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>KM13</td>
<td>-1S</td>
<td>Programming tool cable</td>
<td></td>
</tr>
<tr>
<td>KM11</td>
<td>-2T</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>-3T</td>
<td></td>
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<td></td>
<td>-4T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KM10</td>
<td>-0C</td>
<td>CPU port adapter cable</td>
<td></td>
</tr>
<tr>
<td>KM21</td>
<td>-2A</td>
<td>Monitor cable (for F3SP08, F3SP2□, F3SP3□, F3SP5□)</td>
<td></td>
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<tr>
<td></td>
<td>-2B</td>
<td></td>
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</tbody>
</table>

* The KM21-2A and KM21-2B cables are only compatible with sequence CPU modules F3SP08, F3SP2□, F3SP3□, and F3SP5□. Connect the cable to the connector labeled PROGRAMMER on the front of the sequence CPU module for accessing higher-level link service (personal computer link service). These cables cannot be used for connecting to the FA-M3 programming tool WideField2 and WideField3.

**KM13-1S**

* KM13-1S can be used with any PC equipment with a USB interface, and running Windows 2000, XP, Vista(32bit/64bit), 7(32bit/64bit), 8/8.1(32bit/64bit) or 10(32bit/64bit).
KM11-2T, KM11-3T, KM11-4T

External Dimensions

To external equipment
Approx. 3 m, 5 m or 10 m

To CPU module
Maximum number of insertions/removals:
External equipment end: 500 times
CPU module end: 1000 times

Internal Connection Diagram

Signal name | Pin No.
--- | ---
RD | 1
SD | 2
SG | 3
SG | 4
SHIELD | 5
SG | 6
SD | 7
RD | 8
SHIELD | 9

KM10-0C

External Dimensions

To external equipment
Approx. 0.5 m

To CPU module
Maximum number of insertions/removals:
External equipment end: 500 times
CPU module end: 1000 times

Internal Connection Diagram

Signal name | Pin No.
--- | ---
RD | 1
SD | 2
SG | 3
SG | 4
SHIELD | 5
SG | 6
SD | 7
RD | 8
SHIELD | 9

KM21-2A

External Dimensions

To external equipment
D-sub 25-pin male

To CPU module
Approx. 3 m

Maximum number of insertions/removals:
External equipment end: 500 times
CPU module end: 1000 times

Internal Connection Diagram

Signal name | Pin No.
--- | ---
FG | 1
SD | 2
RD | 3
RS | 4
CS | 5
SG | 6
CD | 7
SHIELD | 8

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KM21-2B

External Dimensions

To CPU module

Maximum number of insertions/removals:
- External equipment end: 500 times
- CPU module end: 1000 times

Approx. 3m

Internal Connection Diagram

<table>
<thead>
<tr>
<th>Signal name</th>
<th>Pin No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD</td>
<td>1</td>
</tr>
<tr>
<td>RD</td>
<td>2</td>
</tr>
<tr>
<td>SD</td>
<td>3</td>
</tr>
<tr>
<td>SG</td>
<td>5</td>
</tr>
<tr>
<td>RS</td>
<td>7</td>
</tr>
<tr>
<td>CS</td>
<td>8</td>
</tr>
</tbody>
</table>

SHIELD

To CPU module

1. SD
2. RD
5. SG
6. SG

SHIELD

To external equipment

Pin No. Signal name
1. SD
2. RD
5. SG
6. SG

SHIELD