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Description

The IBM Color Display connects to the system unit with a signal cable of approximately 1.5 meters (5 feet) in length. This signal cable is a direct-drive interface from the Color/Graphics Monitor Adapter.

A second cable provides power to the display from an electrical outlet. The display unit has its own power control and indicator and will accept either 120-volt 60-Hz or 220-volt 50-Hz power. The power supply in the display automatically switches to match the applied power.

The display has a 340-millimeter (13-inch) CRT. The display may be placed on the system unit or on a nearby table or desk. The front panel of the display has a Power-On control, Power-On indicator, Brightness control, and Contrast control. The rear panel has the Vertical Hold and Vertical Size controls.

The characteristics of the IBM Color Display are as follows:

- **Screen**
  - High contrast (black).
  - Displays up to 16 colors when used with the IBM Color/Graphics Monitor Adapter.
  - Presentation of 80 characters wide by 25 rows deep.
  - Characters are defined in an 8 PEL-high by 8 PEL-wide matrix.

- **Video Signal**
  - Red, green, and blue signals, and intensity are independent.
• Vertical Drive
  – Positive synchronous, TTL-compatible
  – Frequency 50/60 Hz
  – Non-interlaced operation
• Horizontal Drive
  – Positive-level, TTL compatibility, at a frequency of 15.75 kHz.
## Specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>297 mm (11.7 in.)</td>
</tr>
<tr>
<td>Length</td>
<td>392 mm (15.4 in.)</td>
</tr>
<tr>
<td>Depth</td>
<td>407 mm (15.6 in.)</td>
</tr>
</tbody>
</table>

| Weight   | 11.8 kg (26 lb)      |

<table>
<thead>
<tr>
<th>Heat Output</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>240 BTU/hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Cable</th>
<th>Description</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length</td>
<td>1.83 m (6 ft)</td>
</tr>
<tr>
<td></td>
<td>Size</td>
<td>18 AWG</td>
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</table>

<table>
<thead>
<tr>
<th>Signal Cable</th>
<th>Description</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length</td>
<td>1.5 m (5 ft)</td>
</tr>
<tr>
<td></td>
<td>Size</td>
<td>22 AWG</td>
</tr>
</tbody>
</table>

## Physical Specifications
4 Color Display
Logic Diagram

The following pages contain the logic diagram for the IBM Color Display.
DANGER

HAZARDOUS VOLTAGES
UP TO 450 VOLTS EXIST
ON THE PRINTED
CIRCUIT BOARDS

Color Display (Sheet 1 of 1)

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DANGER
HAZARDOUS VOLTAGES
UP TO 450 VOLTS EXIST
ON THE PRINTED
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