Ethernet Cable

Cat 5e
- Ideal for Motion and Harsh Environment Applications
- Exceeds ANSI/TIA/EIA-568-A and TIA/EIA-568-B Cat 5e Specs
- Supporting Data Rates to 1 Gb/second

Cat 6
- Meets or Exceeds Cat 6 - EIA/TIA-568-C/ 11801
- Provide Stringent Crosstalk/Noise Suppression
- Flat Cable Delivers Highest Data Speeds

Cicoil’s ethernet cables meet the increased demand of professionals who need a rugged, reliable, portable, flexible and harsh environment ready network cable solution. Cicoil’s patented extrusion process allows individually shielded wires to be placed in a highly flexible flat profile for clear, high speed data transmission.

### Cable Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Amp Rating</th>
<th>Conductor Gauge</th>
<th>No. of Pairs</th>
<th>Dimensions [inches]</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat 5e</td>
<td>3</td>
<td>30 AWG</td>
<td>4</td>
<td>0.45 x 0.14</td>
<td>DC-500</td>
</tr>
<tr>
<td>Cat 6</td>
<td>7</td>
<td>24 AWG</td>
<td>4</td>
<td>0.71 x 0.20</td>
<td>DC-600</td>
</tr>
</tbody>
</table>

**Note**: Amp rating is the maximum value for each conductor at room temperature of 70°F (21°C). Amp rating decreases as temperature increases.

### Environmental
- Temperature Rating: -65°C to +165°C
- Moisture Rating: Submersible, Salt Water Resistant
- Clean Room Rating: Class 1, Zero Particulates
- Extreme Environments: Sunlight, UV Light, Alcohol, Chemical and Oil Resistant

### Electrical
- Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)

**See Electrical Rating Chart on Page 47**

### Cable Assemblies

<table>
<thead>
<tr>
<th>Cable Length (feet)</th>
<th>Part Number Addition</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>-CA003</td>
</tr>
<tr>
<td>6</td>
<td>-CA006</td>
</tr>
<tr>
<td>12</td>
<td>-CA012</td>
</tr>
</tbody>
</table>

**Notes**: 1. Append onto base cable Part Number for complete assembly. Example: DC-500-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Please contact Cicoil for other connectors and length options.

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**Applications**
- PLC and DCS Automation Networks, Field Level Networking and Ethernet Networks
- Ideal for Motion and Harsh Environment Applications
- Meets or Exceeds ANSI/TIA/EIA-568-C/11801
- Supports Data Rates to 1 Gb/second