USB Cable

- USB 2.0 and 3.0 Available
- Ideal for High Performance Data Transmission Applications
- Ultra Flexible Cable for Confined Area and Continuous Motion

Comprised of 2 individually shielded power wires and 1 twisted shielded pair of 100 ohm twinaxial configuration for USB 2.0 and 3 twisted pairs of 100 ohm twinaxial configuration for USB 3.0, Cicoil’s Flexx-Sil™ jacketed USB cables are designed for highly demanding applications. Unlike typical USB cables, the Cicoil cable has been designed for high flexibility, mechanical stress, temperature extremes and harsh environments. And the flat cable construction guarantees clear, high speed data transmission, even in the toughest of environments.

**Cable Specifications**

**Mechanical**
- Conductors: Ultra flexible, finely stranded, tinned copper
- Shielding: Ultra flexible, braided shields, with 90% nominal coverage
- Minimum Bend Radius:
  - 6x cable height for intermediate flex
  - 10x cable height for continuous flex
- Flex Life: 10,000,000 cycles nominal
- Outer Jacket Durometer Rating: 65 (Shore A)

**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

---

**USB Cable Table**

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Dimensions [inches]</th>
<th>Amp Rating</th>
<th>Conductor Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 2.0</td>
<td>USB-2000</td>
<td>Width: 0.31 Height: 0.15</td>
<td>7 3</td>
<td>24 AWG/2c 30 AWG/1 pr</td>
</tr>
<tr>
<td>USB 3.0</td>
<td>USB-3000</td>
<td>Width: 0.62 Height: 0.18</td>
<td>10 5</td>
<td>24 AWG/2c 28 AWG/3 pr</td>
</tr>
</tbody>
</table>

**Options**

- Additional Conductors: Page 26
- Low Friction Options: Page 28
- StripMount™ Integrated Mounting Strip: Page 28
- Integrated Tubing: Page 29
- SuperTuff™ Jacket: Page 29
- Colored Jacketing: Page 29
- Strip and Tin Cable Ends: Page 29
- FlexRail™ Self-Supporting Cable: Page 30
- Complete Assembly: Page 31

---

**Flexible Flat Cables & Cable Assemblies**

USB / p1of1 / 2019-10-09
661-295-1295  Cicoil.com

---

Applications
Indoor and outdoor USB applications

---

**Cable Assemblies**

Please contact Cicoil for other connectors and length options.

**Assembly Dimensions**

**Host to Host**

**Host to Peripheral**

**Connectors**

- Signal (J1): USB Type A, P/N A-USBPA-3-R
- Signal (J2): USB Type B, P/N B-USBPB-3-R

---

**Cable Specifications**

All engineering values are nominal and subject to change.