

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

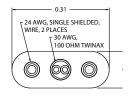
Туре	Amp Rating ¹		Conductor Gauge		Dimensions [inches]		Part
	Power	Signal	Power	Signal	Width	Height	Number
USB 2.0	7	3	24 AWG/2c	30 AWG/1 pr	0.31	0.15	USB-2000
USB 3.0	10	5	24 AWG/2c	28 AWG/3 pr	0.62	0.18	USB-3000

Note

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

Dimensions

USB 2.0



Cable Assemblies

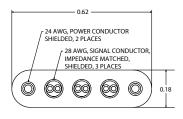


Please contact Cicoil for other connectors and length options.

Configuration	Cable Length (feet)	Part Number Addition
	3	-CAH003
Host to Host	6	-CAH006
	12	-CAH012
	3	-CAP003
Host to Peripheral	6	-CAP006
renpriera	12	-CAP012

- 1. Append onto base cable Part Number for complete assembly. Example: USB-2000-H-CA003
- 2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

USB 3.0



Assembly Dimensions

Host to Host



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

Host to Peripheral



Cable Specifications

All engineering values are nominal and subject to change.

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

Flectrical

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

See Electrical Rating Chart on Page 47

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