

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							

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.

Cable Assemblies



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

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Assembly Dimensions

Cable Specifications

connectors and length options.





-CAP012

• 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



All engineering values are nominal and subject to change.

Notes

CA003

1. Append onto base

cable Part Number for

Example: USB-2000-H-

complete assembly.

2. Connector ratings may

refer to manufacturer

specifications.

differ from cable ratings;

Mechanical	Environmental	Additional Conductors	
Conductors: Ultra flexible, finely stranded, tinned copper Shielding: Ultra flexible, braided shields, with 90% nominal coverage Minimum Bend Radius:	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	Low Friction Options StripMount™ Integrated Mounting Strip Integrated Tubing SuperTuff™ Jacket Colored Jacketing	
- 6x cable height for intermediate flex	Electrical		
- 10x cable height for continuous flex Flex Life: 10,000,000 cycles nominal Outer Jacket Durometer Rating: 65 (Shore A)	Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm) See Electrical Rating Chart on Page 47	Strip and Tin Cable Ends FlexRail™ Self-Supporting Cable Complete Assembly	
Outer Jacket Durometer Rating. 03 (Shole A)	see Leening individually ended on rage is		

Dimensions



USB 3.0



Options

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