



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Cat 6A Ethernet Cable

NEED CUSTOMS?
See Page 25

- 500 MHz Performance Speeds
- Ideal for 100BASE-TX and 10GBASE-T (10-Gigabit Ethernet)
- Rated for More than 10 Million Flexing Cycles
- Exceptional EMI/RFI Suppression
- Rated for Temperatures from -65°C to +165°C

Cicoil's Cat 6A Ethernet Cable meets the increased demands of professionals who need a rugged, flexible and high performance Ethernet cable solution. Cicoil's patented extrusion process allows individually shielded, twisted pairs to be placed in a flexible flat profile for high speed data transmission, with exceptional EMI/RFI suppression. Cicoil's Cat 6A Flat Cable delivers the ultimate in electrical performance, extreme ruggedness, and a Flex rating of over 10 Million cycles.



Applications
PLC and DCS Automation Networks, Field Level Networking and Ethernet Networks

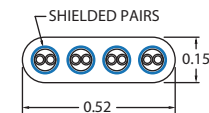
Cable

Amp Rating ¹	Conductor Gauge	No. of Pairs	Dimensions [inches]		Part Number
			Width	Height	
1.4	28 AWG	4	0.52	0.15	DC-601

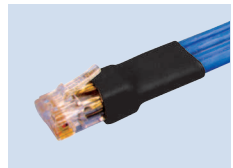
Note

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



Cable Assemblies



Cable Length (feet)	Part Number Addition
3	-CA003
6	-CA006
12	-CA012

Notes

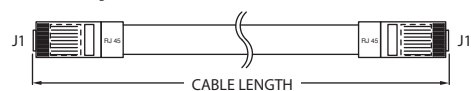
1. Append onto base cable Part Number for complete assembly. Example: DC-601-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Please contact Cicoil for other connectors and length options.

Wiring Diagram



Assembly Dimensions



Connectors

- Signal (J1): RJ45

Cable Specifications

All engineering values are nominal and subject to change.

Mechanical	Environmental
Conductors: Ultra flexible, finely stranded, tinned copper	Temperature Rating: -65°C to +165°C
Shielding: Ultra flexible, braided shields, with 90% nominal coverage	Moisture Rating: Submersible, Salt Water Resistant
Minimum Bend Radius:	Clean Room Rating: Class 1, Zero Particulates
- 6x cable height for intermediate flex	Extreme Environments: Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
- 10x cable height for continuous flex	Electrical
Flex Life: 10,000,000 cycles nominal	Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
Outer Jacket Durometer Rating: 65 (Shore A)	See Electrical Rating Chart on Page 47

Options

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