

Cat 6A Ethernet Cable

NEED CUSTOMS?
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- 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

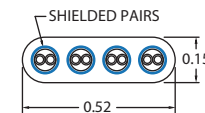
Cable

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

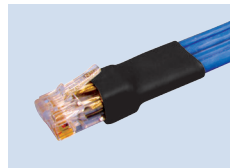
Note

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



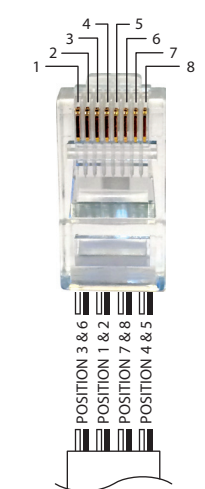
Cable Length (feet)	Part Number Addition
3	-CA003
6	-CA006
12	-CA012

Please contact Cicoil for other connectors and length options.

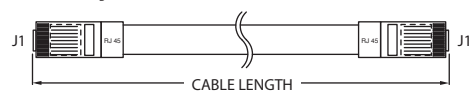
Notes

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.

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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