Cat 6A Ethernet Cable

- 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.

UL MEETS 94V-0   RoHS COMPLIANT   REACH COMPLIANT   FAA FLAME TESTED

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

Cable

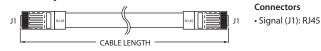| Amp Rating[1]	Conductor Gauge	No. of Pairs	Dimensions [inches]		Part Number
			Width	Height	
1.4	28 AWG	4	0.52	0.15	DC-601

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

SHIELDED PAIRS
0.15
0.52

Cable Assemblies

Please contact Cicoil for other connectors and length options.

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.

Assembly Dimensions

J1   RJ 45   RJ 45   J1
CABLE LENGTH

Connectors
- Signal (J1): RJ45

Wiring Diagram

4 5
3 6
2 7
1 8

POSITION 3 & 6
POSITION 1 & 2
POSITION 7 & 8
POSITION 4 & 5

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

Electrical

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

See Electrical Rating Chart on Page 47

Options   Page

Data & Video