



■ Flexibility

A 2-inch bend radius makes them ideal for linear motion and tight-space applications.

■ Durability

All wires are fully encapsulated in 'glass-clear' silicone; a solid, one-piece construction that creates a highly durable cable package. The cable will not deform, break or wear for the lifetime of the product, even in high flex applications.

■ Extreme Environments

Cicoil cables perform in temperatures from -65°C to 260°C, with excellent resistance to water, steam, and chemicals. Non-particulating, they are suitable for Class 1 clean room environments.



Cat 5e cable features a highly flexible flat profile and an exclusive, extruded silicone encapsulation. While meeting or exceeding all electrical and signal requirements for the Cat 5e standard, Cicoil's version excels with physical and environmental attributes. Temperature rating is a broad -65°C to +260°C range and is flame resistant. They are submersible, with excellent resistance to steam, salt water and de-ionized water; and are further resistant to chemicals, acid, oils, alcohol, and ozone.

Specifications

■ Electrical

Voltage Rating: 30 V

Current Rating: 1 A

Insulation Resistance: > 1 x 108 Ω @ 100Vdc

Withstanding Voltage: 350 VRMS for 1 minute

Individually Shielded Twisted Pairs

Characteristic Impedance: 100 ± 10 Ω

Conductor Size: 30 AWG Stranded

Propagation Velocity: 1.25 ns/ft (4.1 ns/m)

Skew (within pair): 50 ps/meter, max.

Skew (channel skew per chipset): 50 ps/meter, max.

■ Environmental

Acid Resistance: Good

Ozone Resistance: Outstanding

Oil Resistance: Good

Flame Resistance: Good

Water/Steam Resistance: Excellent
(Including salt and DIW)

Alcohol Resistance: Good

Toxins: Halogen-free

■ Mechanical

Minimum Bend Radius: 2"

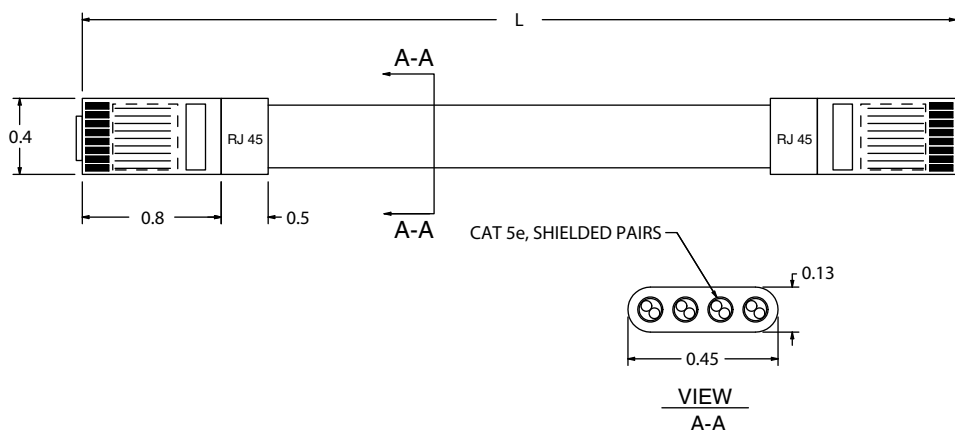
(flexing applications)

Life Expectancy: 10,000,000 cycles, min.
(Continuous flexing applications)

■ Approvals

UL Recognized—File #E324413, CE

Dimensions



Replace "XXX" with length in Inches. Specify quantity of connectors to be installed—one, two or none.

Part Number: DC-500-XXX