

# Camera Link® Cable

**NEED CUSTOMS?**  
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- Ideal for Motion Video, Vision and Frame Grabber Applications
- Exceeds Camera Link® Standards
- Separately-Shielded Conductors in Flat Package Provides Fastest Data Speeds

Cicoil Camera Link® cable is ideal for motion video and frame grabber applications that require an extremely durable and harsh environment resistant design. This design features a 10 million flex cycle life and high flexibility through the use of ultra-flex copper stranded wire in the 11 twinax, dual-shielded cables that comprise the Cicoil Camera Link® cable. Also, individually-shielded conductors in a flat cable create a constant, clear signal path for the highest data speeds available.



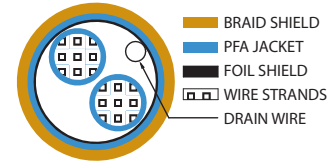
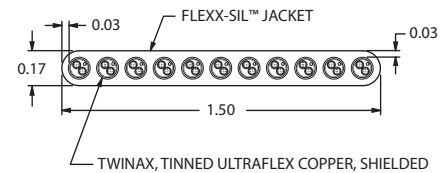
**Applications**  
Aerospace, Robotics, Medical, Semiconductor, Automation

## Cable

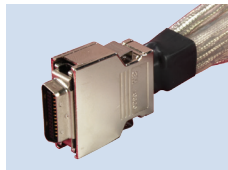
Amp Rating <sup>1</sup>	Conductor Gauge	No. of Pairs	Dimensions [inches]		Part Number
			Width	Height	
5	28 AWG	11	1.50	0.17	CL-1000

**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



Please contact Cicoil for other connectors and length options.

Connector Type	Temperature Rating	Cable Length (feet)	Part Number Addition
Metal	-55°C to +105°C	3	-M-CA003
		6	-M-CA006
		12	-M-CA012
Plastic	-20°C to +85°C	3	-P-CA003
		6	-P-CA006
		12	-P-CA012

## Notes

1. Append onto base cable Part Number for complete assembly.  
Example: CL-1000-M-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

## Assembly Dimensions



**Connectors**  
• Signal (J1): Camera Link

## Cable Specifications

All engineering values are nominal and subject to change.

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

## Options

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