Ultra Flexible Micro IDC Ribbon Cable

- Light, flexible design routes easily in tight spaces
- .025″ Pitch works with any Micro IDC connector
- Standard sizes available with up to 64 conductors
- Rated for Temperatures from -65°C to +260°C

Cicoil's .025″ Micro IDC Cable is excellent for tight spacing applications that require dependable signal density. The Ultra Flexible cable performs exceptionally well in harsh environments, including high/low temperatures, and under exposure to moisture and most chemicals.



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

Applications
Aerospace, Robotics, Medical, Semiconductor, Surgical Systems, Printer Head, Satellites, Board-to-Board

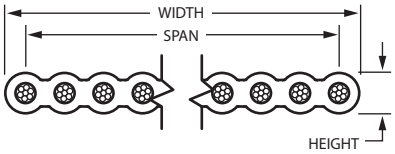
Cable

Gauge Pitch	Amp Rating[1]	Volts DC	No. of Conductors	Dimensions			Part Number
				Width	Span	Height	
30 AWG .025″	0.2	3K	10	0.250″	0.225″	0.026″	482W101-10
			14	0.350″	0.325″	0.026″	482W101-14
			16	0.400″	0.375″	0.026″	482W101-16
			20	0.500″	0.475″	0.026″	482W101-20
			26	0.650″	0.625″	0.026″	482W101-26
			28	0.700″	0.675″	0.026″	482W101-28
			30	0.750″	0.725″	0.026″	482W101-30
			34	0.850″	0.825″	0.026″	482W101-34
			40	1.000″	0.975″	0.026″	482W101-40
			44	1.100″	1.075″	0.026″	482W101-44
			50	1.250″	1.225″	0.026″	482W101-50
			60	1.500″	1.475″	0.026″	482W101-60
			64	1.600″	1.575″	0.026″	482W101-64

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



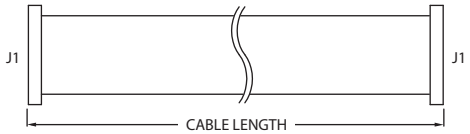
Please contact Cicoil for other connectors and length options.

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

Notes

1. Append onto base cable Part Number for complete assembly. Example: 482W101-10-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors

• Signal (J1): CnC Tech or equivalent (XX = Position Quantity) .025″ Pitch: P/N 3230-XX-0103-00

Cable Specifications

All engineering values are nominal and subject to change.

Mechanical

Conductors: Ultra flexible, finely stranded, bare copper
Minimum Bend Radius:
- 6x cable height for intermediate flex
- 10x cable height for continuous flex

Outer Jacket Durometer Rating: 65 (Shore A)

Environmental

Temperature Rating: -65°C to +260°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

Operating Voltage: 300
Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
See Electrical Rating Chart on Page 47

Options

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Unshielded