

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.



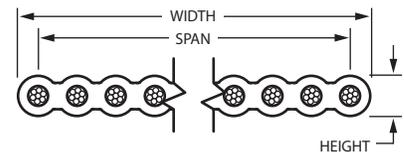
Applications
Aerospace, Robotics, Medical, Semiconductor, Surgical Systems, Printer Head, Satellites, Board-to-Board

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



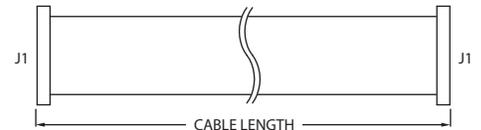
Please contact Cicoil for other connectors and length options.

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	Environmental
Conductors: Ultra flexible, finely stranded, bare copper	Temperature Rating: -65°C to +260°C
Minimum Bend Radius: - 6x cable height for intermediate flex - 10x cable height for continuous flex	Moisture Rating: Submersible, Salt Water Resistant
Outer Jacket Durometer Rating: 65 (Shore A)	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

Page

Additional Conductors	26
Low Friction Options	28
StripMount™ Integrated Mounting Strip	28
Integrated Tubing	29
SuperTuff™ Jacket	29
Colored Jacketing	29
Strip and Tin Cable Ends	29
FlexRail™ Self-Supporting Cable	30
Complete Assembly	31