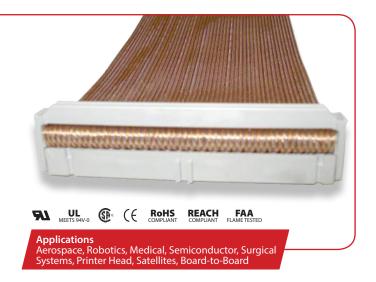


## Ultra Flexible Micro **IDC Ribbon Cable**

- 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

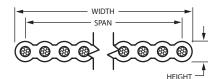
Cicoil's .025" Micro IDC Cable is excellent for tight spacing applications that require dependable signal density. The Ultra Flexible cable performs exceptionally well in harsh environments, including high/low temperatures, and under exposure to moisture and most chemicals.



#### Cable

Causa Ditah	Amp Rating <sup>1</sup>	Volts DC	No. of Conductors	Dimensions			Part
Gauge Pitch				Width	Span	Height	Number
	0.2	зк	10	0.250″	0.225"	0.026"	482W101-10
30 AWG .025″			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

#### **Dimensions**



#### Cable Assemblies

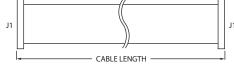


Please contact Cicoil for other connectors and length options.

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

- 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**

#### 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

<sup>1.</sup> Amp rating is the maximum value for each conductor at room temperature of 70°F (21°C). Amp rating decreases as