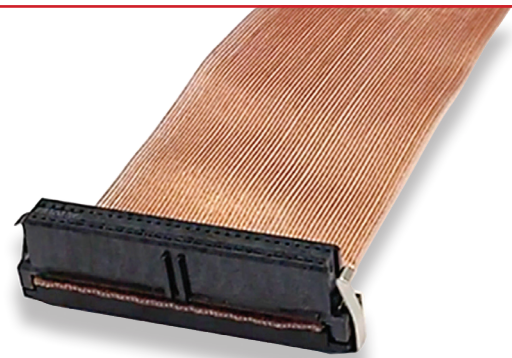


# Ultra Flexible Micro IDC Ribbon Cable

- Light, flexible design routes easily in tight spaces
- .025" Pitch works with any Micro IDC connector
- Standard sizes available with up to 34 conductors
- Rated for Temperatures from -65°C to +260°C
- Low Smoke/Zero Halogen (LSZH)

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.



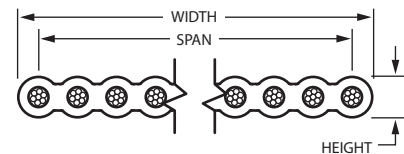
**Applications**  
Aerospace, Robotics, Medical, Semiconductor, Surgical Systems, Printer Head, Satellites, Board-to-Board

## Cable

Gauge Pitch	Amp Rating <sup>1</sup>	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

**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



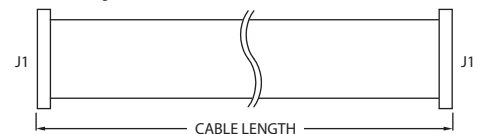
Please contact Cicoil for other connectors and length options.

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
<b>Conductors:</b> Ultra flexible, finely stranded, bare copper	<b>Temperature Rating:</b> -65°C to +260°C
<b>Minimum Bend Radius:</b> - 6x cable height for intermediate flex	<b>Moisture Rating:</b> Submersible, Salt Water Resistant
<b>Outer Jacket Durometer Rating:</b> 65 (Shore A)	<b>Clean Room Rating:</b> Class 1, Zero Particulates
	<b>Extreme Environments:</b> Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
	<b>Low Smoke/Zero Halogen (LSZH):</b> Has passed testing for smoke, toxicity, flammability and halogen content, by UKAS certified lab
	Electrical
	<b>Operating Voltage:</b> 300
	<b>Outer Jacket Dielectric Strength:</b> 450 volts/mil (17.7 kv/mm)

See Electrical Rating Chart on Page 51

## Options

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