all flex SOLUTIONS

Catheter Flex Circuit : Catheter-Flex® for Medical Applications

FLEX | RIGID FLEX | HEATERS | ASSEMBLY

All Flex Solutions Inc. | Phone: (612) 351-6009 | Toll-Free: (866) 341-4815

Application: Extended Flex for Medical Catheters.

All Flex is teaming up with medical device manufactures to revolutionize catheter designs. Today's state of the art designs may include small Flexible Printed Circuits (FPCs) with electrode pads mounted to the mapping baskets, but they have been limited to only 6 or 8 electrodes. Using All Flex's innovative multi-layer Catheter-Flex® technology designers can increase the density of the FPC, allowing for an increase in the electrode count (up to 64 electodes or higher). These fine-line FPCs can run the entire length of the catheter and into the proximal handle with continuous, uninterrupted traces. Please email contactus@allflexinc.com for evaluation samples, to set up a design consultation, or any other questions you may have about this product.

For more specific information please contact All Flex.

- **Increased mapping and ablating resolution**
- **Increased electrode count**
- **Controlled impedence**
- **Minimal size and intrusion**
- **Stacking multiple layers of FPCs without interconnects reduces the bulk that limits the minimal catheter diameter**
- **Increased reliability**
- **Reduces the number of solder joints and material transitions**
- **Reduced assembly cost**
- **Eliminates thin wire bundle wire attachment**
- **Reduces assembly labor time**
- **Avoids wire entanglement and miss-connections**

All Flex Solutions Inc. | Phone: (612) 351-6009 | Toll-Free: (866) 341-4815

all flex SOLUTIONS

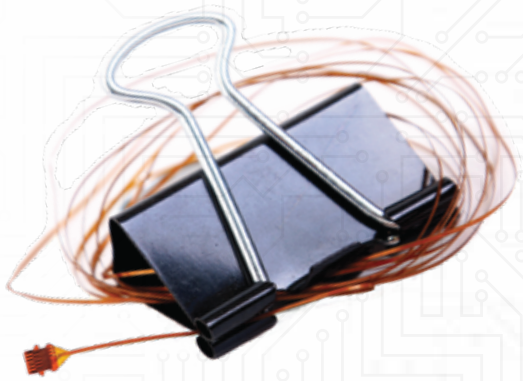
Application: Extended Flex for Medical Catheters.

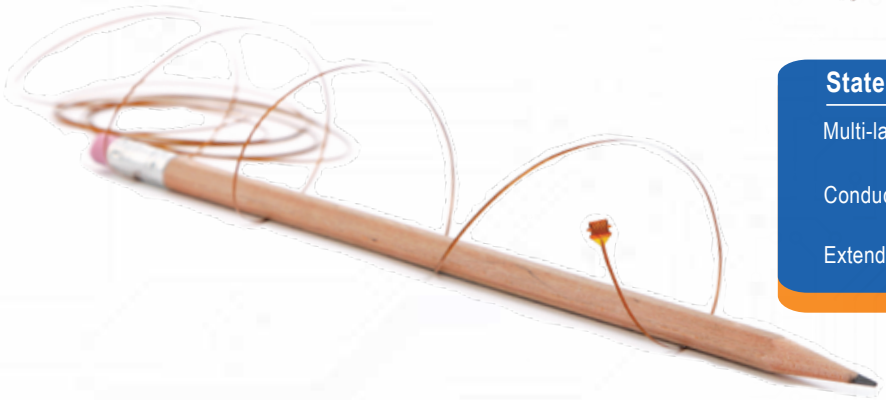
Mainline Production

Multi-layer construction up to 4 conductive layers.

Conductor density of 4 mil (100 µm) trace and space.

Extended length up to 64” (1.6m) total.





State of the Art - Advanced Circuits

Multi-layer construction up to 8 conductive layers.

Conductor density of 2 mil (50 µm) trace and space.

Extended length up to to 108" (2.75m) total.

Disclaimer: Data presented for informational purposes only. Actual values and/or usage is for reference.

All Flex Solutions Inc. | Phone: (612) 351-6009 | Toll-Free: (866) 341-4815