

WEARABLES

tips & techniques for soft & flexible circuits

DriveBy with Suzan Eraslen & Kate Hartman
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MATERIALS

- conductive fabric
- conductive thread
- connectors

Conductive Fabric



SOURCES (internet):
Fine Silver Products
Sauquoit Industries
Less EMF

(local):
organza
Weavers Fabrics, Inc.
257B West 39th St.
silk shantung

Conductive Thread



Lame Lifesaver

\$15 CDN /
200-yard
spool

- thick
- very conductive
- problematic with sewing machines



Bekaert Bekitex
BK50

\$30/1-lb
cone

- thin
- not very conductive
- delicate



Bekaert Bekinox
VN

\$36 - \$244 /
1-lb cone

* Bekaert has many exciting options that we have not tried

Connectors

- snaps
- zippers
- hooks & eye closures
- jewelry closures (rings, etc.)
a good source: Metalliferous 34 W. 36th St
- velcro

TECHNIQUES

- transitioning from hard to soft
- strain relief
- power
- insulation
- fray control
- sewing alternatives

From Hard to Soft

SNAPS:



LOOPING:



BEADS:



image from Mouna

Troubleshooting

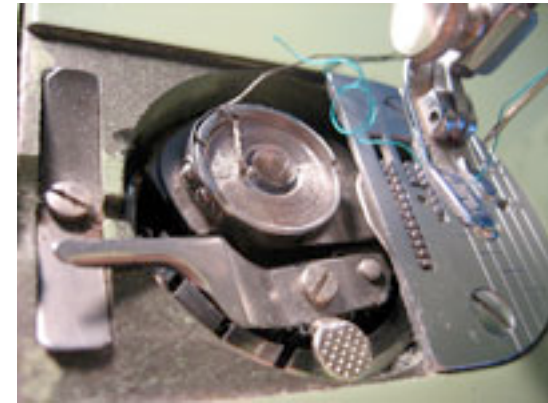
Fabric glue



Seams



Bobbin loading



Also: Hemming, Strips of Fabric

Related ITP Projects

- Electronics Crafts by Mouna Andraos
- Soft Electric by Grace Kim
- Remember by Sonali Sridhar, Pollie Barden, Angela Pablo
- ITP Wearables class
- Zipper Orchestra - Joo Youn Paek, Gabe Barcia Colombo, Leif Mangelson

Other Projects

- Xtra Soft
- Cute Circuit
- International Fashion Machines
- Leah Buechley
- Studio 5050