SFU SIMON FRASER UNIVERSITY

ASB9800-lab 1

# Lab rolls and equipment handling

# *ASB9800-Lab 1 Instrument Test Lead & Cable Handling*

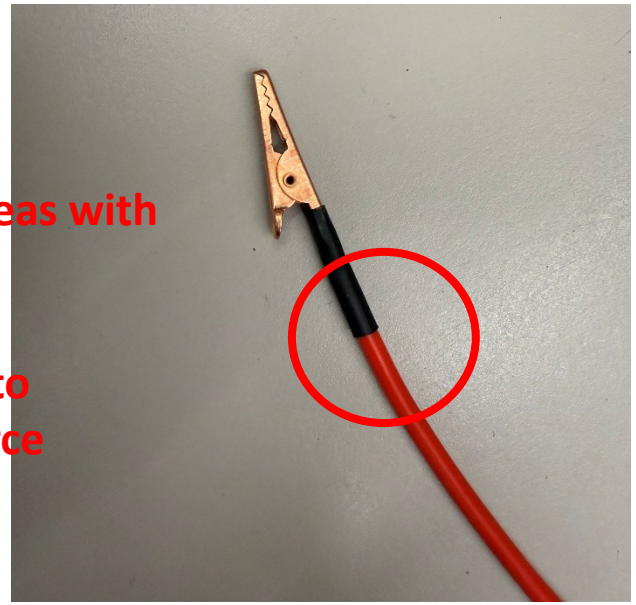
## Proper Handling of Cables and Test Leads

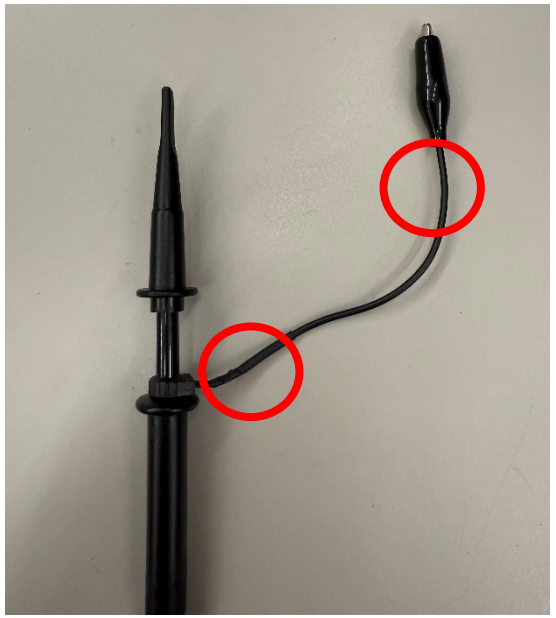
- **Avoid sharp bends, kinks, or crushing:** These can permanently damage the internal conductors, causing poor signal transmission or safety hazards.
- **Grip connectors when plugging/unplugging:** Always hold alligator clips, hook clips, or connectors directly—never pull by the wire.
- **Do not overstretch or twist cables:** Strain weakens insulation and may lead to exposed conductors.
- **Coil cables loosely in large loops:** Before leaving, coil neatly to extend cable life and keep the workspace organized.

**Fragile spots:**

**Handle these circled areas with extra caution**

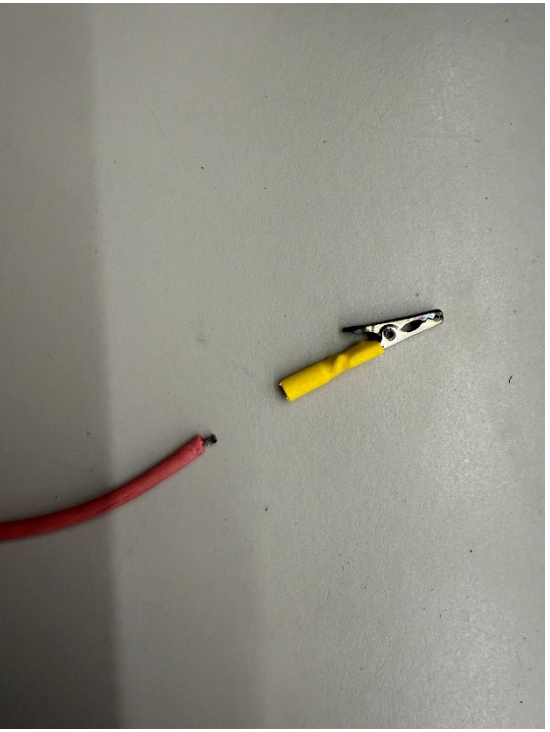
**They are not designed to withstand excessive force**

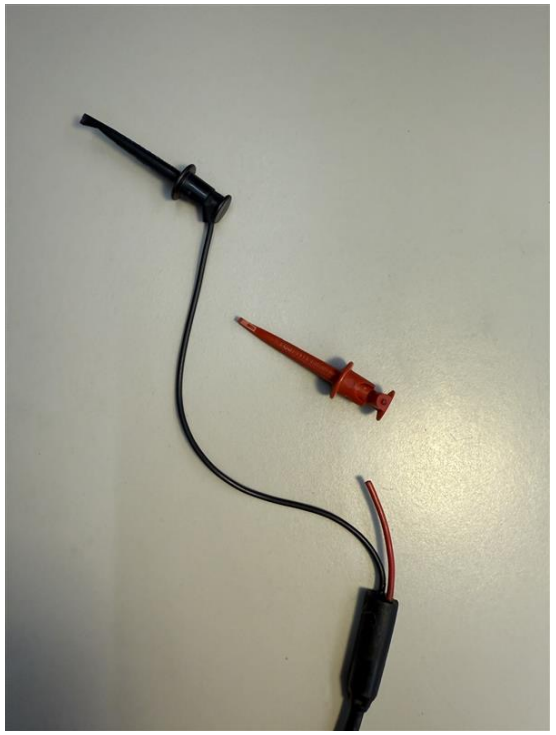




# *ASB9800-Lab 1 Instrument Test Lead & Cable Handling*

## Examples of damaged cables

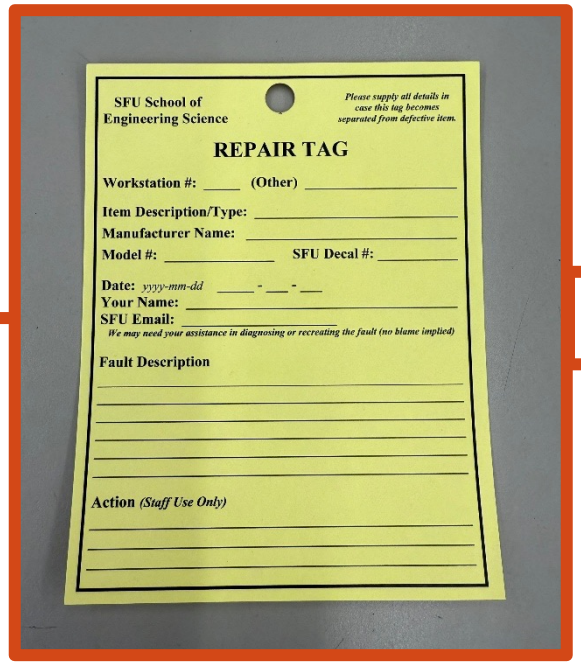


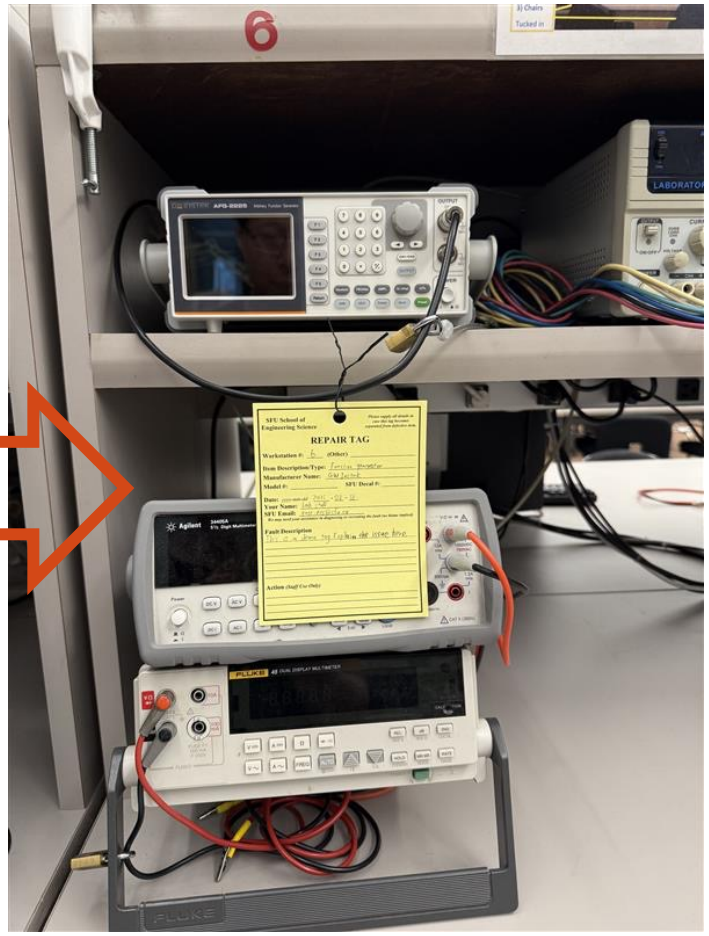


# ASB9800-Lab 1 Instrument Test Lead & Cable Handling

## Report Damaged Cables

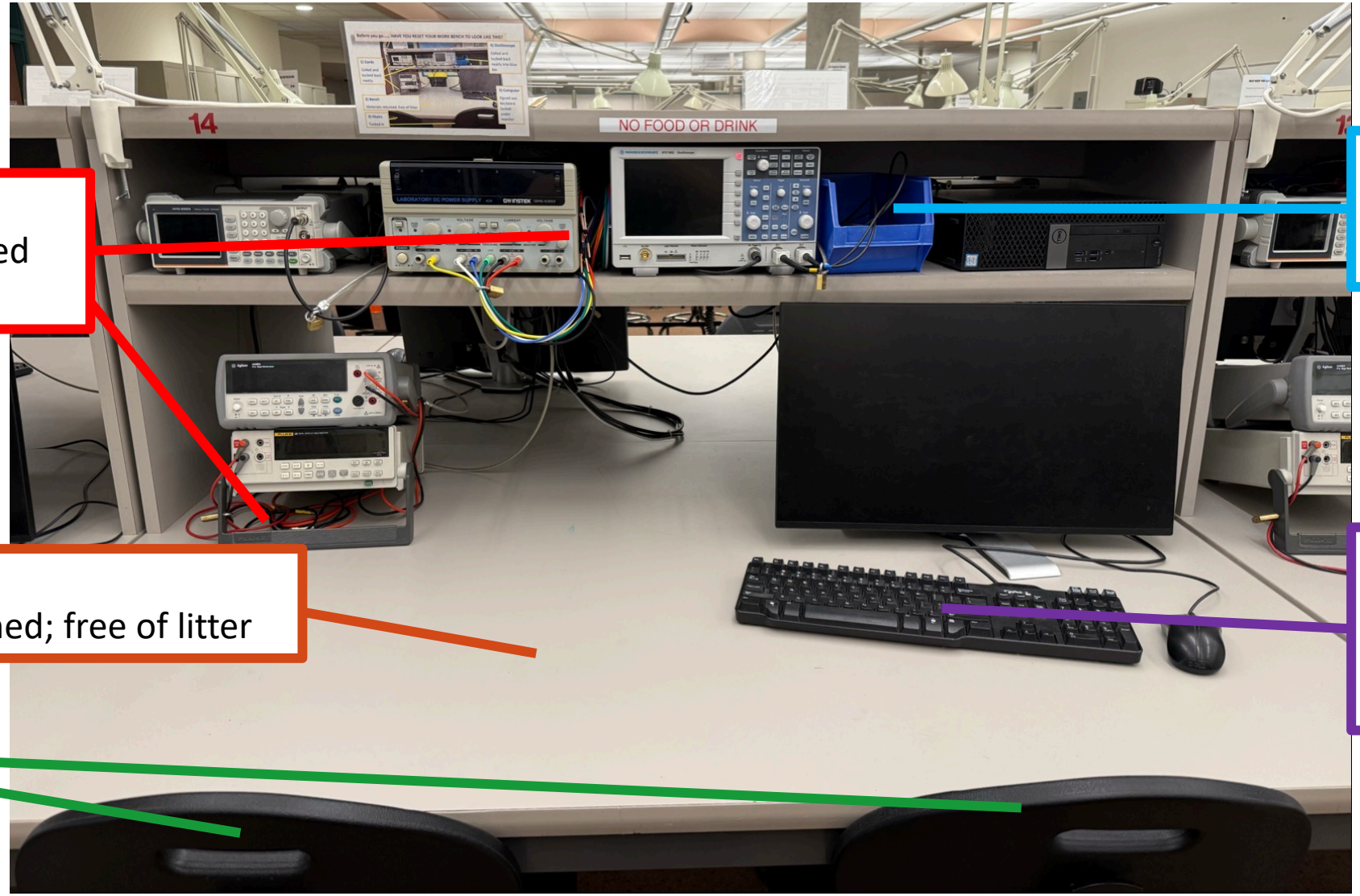
- Report damaged cable to the lab staff or leave a repair tag at the workstation
- Repair tags are available outside of ASB 9850

# ASB9800-Lab 1 Instrument Test Lead & Cable Handling

Before you go….. HAVE YOU RESET YOUR WORK BENCH TO LOOK LIKE THIS?




**1) Cords**
Coiled and tucked back neatly

**2) Bench**
Materials returned; free of litter

**3) Chairs**
Tucked in

**4) Oscilloscope**
Coiled and tucked back neatly into blue bin

**5) Computer**
Signed out. Keyboard tucked in front of the monitor

# ASB9800-Lab 1 Instrument Test Lead & Cable Handling