

ZipShield - Shielded Zipper Cable Jacket

Isolate your Acquisition System from Electrostatic Noise

Electrostatic noise interference can be an obstacle to electrophysiology data acquisition due to noise-emitting electronics and power lines in or near lab locations that cannot be controlled by the researcher.

To improve data acquisition in this challenging environment, we recommend the **ZipShield**: an easily-installed, ground-able, shielded cable jacket that improves cable organization.

- Full conductive metal-plated cloth inner shield
- Durable plastic outer jacket
- Exposed shield-connected braided conductor at each end
- Easy application around tethers with full-length plastic zipper



Easy Installation to Reduce Electrostatic Noise

1. Twist tethers connecting animal interface (3 twists per meter)
2. Enclose tethers into **ZipShield**
3. Connect the shield ground plugs to the **Digital Lynx SX** rear panel earth ground

Twist Tethers to Reduce Magnetic Conduction Noise

Magnetic field interference is reduced by twisting the tethers, thus minimizing distance between Signal and Reference conductors. **ZipShield** keeps the twisted tethers tight and organized when necessary movement of tethers occurs.