



**Electro Optical Components, Inc.**

5464 Skylane Boulevard, Suite D, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



## **FEMTO Low Noise Cables for Signal Recovery**

FEMTO has developed a series of low noise input cables for the FEMTIO series of signal recovery amplifiers. Noise is critical when the signals are small. FEMTO has amplifiers that have noise levels down to the sub-femto amp. range. To introduce noise because of the input cable would defeat the performance of these amplifiers. For this reason FEMTO has developed these low noise cables with the following characteristics:

- Minimizes triboelectric and microphonic noise
- Noise level reduction up to a factor of 1,000
- Highly shielding coaxial design with low noise connectors
- Lengths from 0.1 to 1 meter

FEMTO manufactures a line of high quality specialty amplifiers for signal recovery and processing including Low Noise Current Amplifiers, High and Low Frequency Voltage Amplifiers, Photoreceivers, High Speed GHz Amplifiers and Lock-In Amplifiers.

Applications for the FEMTO Amplifiers and Low Noise Cables include:

- Measurements of ultra-low currents down to femtoamperes
- Photodetectors and ion chambers
- High resistance measurements
- Scanning probe microscopy (STM, SPM, STS)
- Spectroscopy
- Piezo- and pyroelectric transducers