

FHC Microneurography Electrodes (referred to as needles by many) were developed to record multi-unit peripheral nerve activity in humans. They have been refined over the years by working in conjunction with the investigators who use them. The tip taper is dramatically shorter and broader than our standard microelectrodes and convex to facilitate a minimally painful penetration through the skin. These Tungsten electrodes can be provided with a variety of shank diameters and impedances to satisfy various recording requirements. A number of termination options are available to aid in the placement and support of the electrode in the nerve. They are also typically provided with a 15mm square manipulating tab to aid in accurate placement. Alternatively, an insulated floating termination can be provided to allow the electrode to move with the target tissue. Our Microneurography Electrodes are available in an uninsulated configuration as well for use as a reference electrode. Please refer to the specification guide for ordering and pricing information.

TO SPECIFY FHC MICRONEUROGRAPHY NEEDLES:

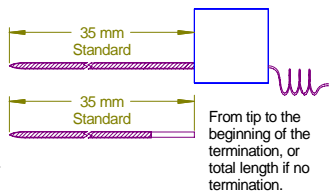


1 Configuration:

- A: Active Needles, box of 12 Insulated with selected tip impedance.
- R: Reference Needles, box of 12. No Insulation.
- P: Active and reference pairs, box containing 6 of each.
- X: Special / Specify

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Electrode Length in millimeters:
35 mm standard, if not specified. See diagrams below for dimension definition.



4 Shank Diameter:

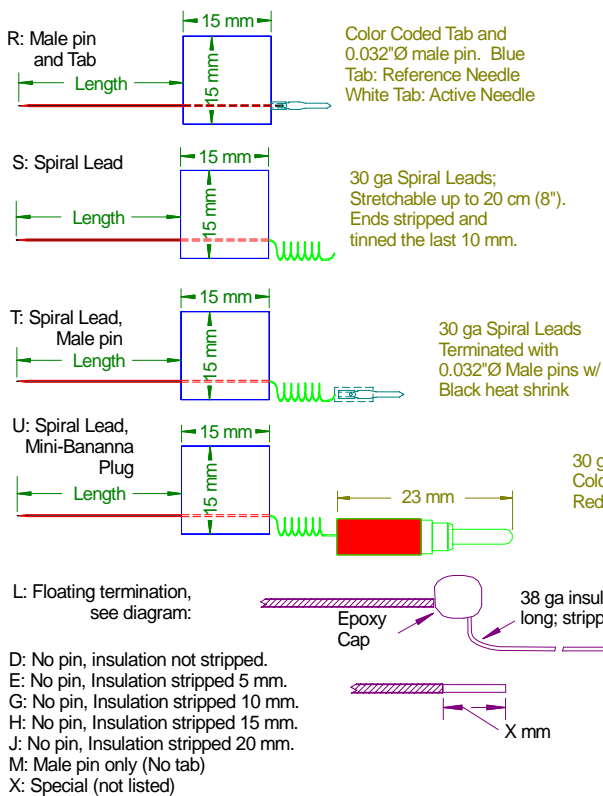
- E: 0.005" (125 μm)
- F: 0.008" (200 μm)
- G: 0.010" (250 μm)
- X: Special / Specify

5 Impedance:

- For Active needles only. Reference needles have no impedance.
- A: 50kΩ - 100kΩ
 - B: 300kΩ - 500kΩ
 - C: 800kΩ - 1.2MΩ
 - 1: 1MΩ±0.2MΩ
 - 2: 2MΩ±0.4MΩ
 - 3: 3MΩ±0.6MΩ
 - 4: 4MΩ±0.8MΩ
 - 5: 5MΩ±1.0MΩ
 - 6: 6MΩ±1.2MΩ
 - 7: 7MΩ±1.4MΩ
 - 8: 8MΩ±1.6MΩ
 - 9: 9MΩ±1.8MΩ
 - 0: 10MΩ±2.9MΩ
 - N: No Zap (high)
 - R: Reference Needle
 - X: Special / Specify

6 Termination Options:

Specials available upon request.

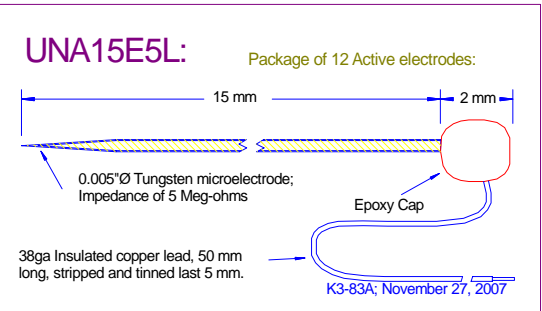
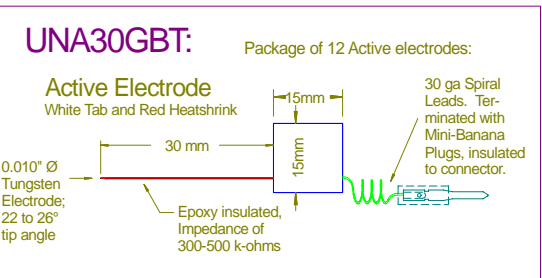
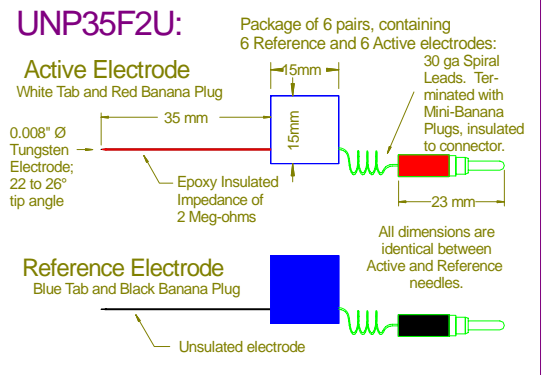


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Customers Initials and revision # only if necessary.

- ii: Initials of the customer for/by whom the electrode was designed
- n: Version or revision number

Examples:



Other termination options are available. See: TO SPECIFY FHC METAL MICROELECTRODES for details.