

**Classification of Nerve fibers@**

<b>Fibers</b>	<b>Diameter* (micron)</b>	<b>Velocity (m/s)</b>	<b>Function</b>
<b>Sensory fibers:</b>			
Ia (A alpha)	12- 20	70 -120	proprioception from muscle spindles
Ib (A alpha)	12 - 20	70 -120	proprioception from Golgy tendon organs
II (A beta)	5 – 12	30 - 70	fine touch, ( 2-point discrimination & vibration)
III (A delta)	2 – 5	12 -30	light touch , fast pain & temperture
IV ( C )	0.5 - 1	0.5 - 2	slow pain pain & temperture
<b>Motor fibers:</b>			
A alpha	12 -20	15 - 120	alpha motor neuron of ventral gray Column
A gamma	2 -10	10 - 45	gamma motor neuron of ventral gray column
Pre-ganglionic autonomic fibers (B)	less than 3	3 - 15	myelinated preganglionic auotonomic fibers
Postganglionic fiber (C)	1	2	unmyelinated postganglionic autonomic fibers

\*= Myelin sheath is also included, if present

@ = Quoted from Neuroanatomy, James D Fix 1995