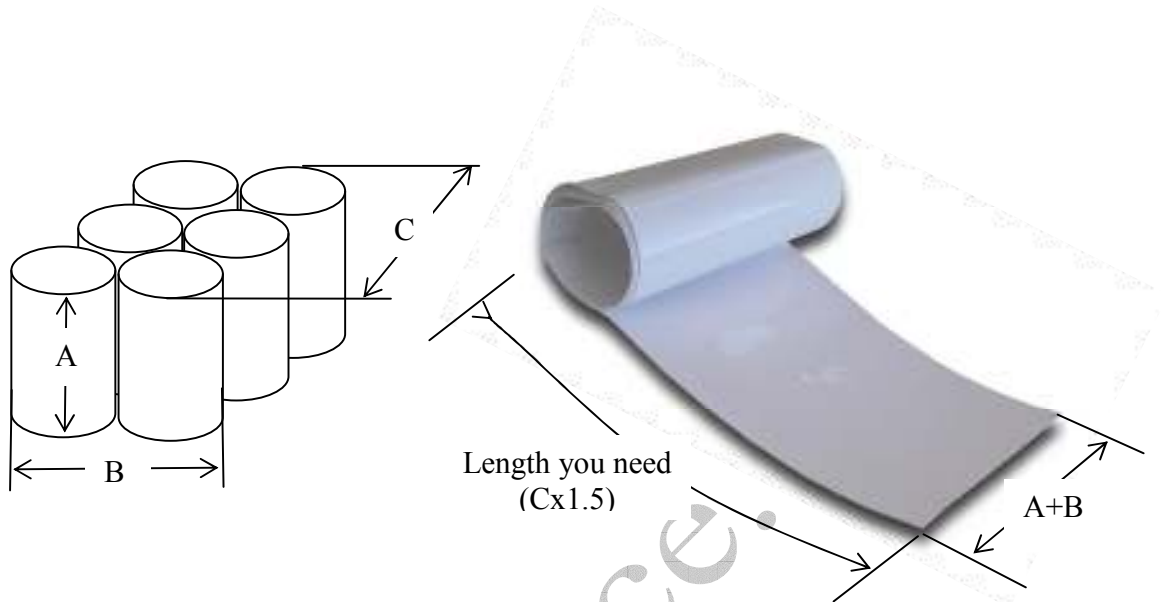




AA Portable Power Corp / dba: BatterySpace.com



To determine what size PVC shrink wrap you need

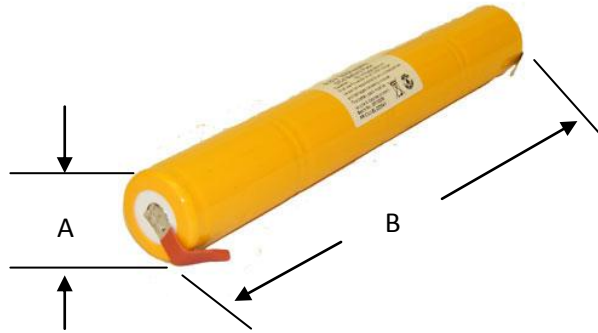
- 1) Size of the PVC shrink wrap need to be greater than “A + B”
- 2) Length that you need is “C x 1.5”

For example:

If using the D size batteries to build the above pack, A=60mm, B=64mm, C=96mm.

For the size of PVC you need to order will be greater than 124mm and the length is 144mm, so our **PVC-126** can do for the example.

To Calculate the PVC size for a “D” size Stick battery:



Note: A = Dia of the battery. B = Length of battery

1. Find the circumference ($C = \pi \cdot d = 2\pi \cdot r$) of the “D” cell battery.
($3.14 \times 33\text{mm}$ of a D cell = 104mm)
2. Circumference / 2 ($104 / 2 = 52\text{mm}$). You will need a PVC tube size >52mm. In this case, you will choose CU-PVC-61
3. Length of battery pack: B x 1.1 ($240\text{mm} \times 1.1 = 264\text{mm}$)

Note: the multiplier of 1.1 can vary as it depends on the size of the cell being use and how much hangover you want to cover the edge of the stick battery!