Hello Youtubers, here is the guy with the Swiss accent again. One of my first videos was about Dupont wires. There, I said, that I do not like to crimp myself and use pre-fabricated wires. Now, I know why and I would like to share with you how I changed it.

When I started with Arduinos, one of the first actions was to buy a crimping tool off Aliexpress. There are many of them available and no obvious differences were visible. So, I got this one here. I started with crimping and after looking at some videos, I was able to get the connectors attached to the wires. But I was never happy because my connectors did not enter easily into the empty shells. If you watched my former video you know, that I like to use empty shells for my work. I discovered two problems: First, the connectors were sometimes bend after crimping. At the end, I was able to avoid this flaw or at least, correct it with pliers after crimping. The second thing I was never able to change: The connectors were too wide to be inserted into the shell even if I used the smallest groove of the crimping tool.

When looking at crimping videos, many Youtubers used the Japanese Engineering PA-09 crimping tool. So, I decided to get one off eBay directly from Japan. It was tree times more expensive than my first tool. And this is, what I got: It looks quite cheap and has no ratcheting mechanism. My old one is much heavier than the new one. Summarized, I have to admit, that my first impression was not very good. But then, I crimped my first test wire and was absolutely impressed. Even if you do not see a big difference between the grooves of the Chinese and the Japanese tool it is a completely different world. This is the reason for this video. I do not get any reward or anything else, I am only exited and wanted to share it with you that you do not make the same mistake as I did.

I think, the difference between the two tools has to do with manufacturing precision, but I am not sure. The only thing I can say: One tool does not work at all and was a disappointment and the other works and is a joy!

I crimp now two connectors and show you the results. The old crimper does everything in one step because its groove is broader. The engineer crimper needs two steps: One to crimp the copper and one to crimp the plastic. This takes a bit longer.

Here are the results from the back and from the front: Do you see, which crimper created which result?

And this is, how they insert into an empty shell. What a difference!

I hope this video helps you avoiding some frustration. Please leave a comment about your experience with crimping tools and tell us also, if you own another crimping tool which works fine. Bye

In this video I compare a Chinese No-Name Crimping tool with an Engineer PA-09 for normal Arduino projects and show you if there are differences and if the PA-09 is worth its much higher price or if you can live with a Chinese No-Name Crimper.

My video about working with Dupont wires: https://youtu.be/eI3fxTH6f6I

Video about crimping in detail: https://youtu.be/Ta55NTSBLN0

Chinese No-Name: http://www.aliexpress.com/item/SN-28B-Pin-Crimping-Tool-2-54mm-3-96mm-28-18AWG-Crimper-0-1-1-0mm/1774206687.html

Engineer PA-09: http://www.engineer.jp/en/products/pa09e.html