



Parametric Cable Organiser



CUBIC8

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Summary

A cable organiser that can be customised to fit your cables exactly

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Tags: [cable](#) [organiser](#) [usb](#) [usbc](#) [hdmi](#) [usbcharger](#)
[usbcableholder](#)

Inspired by <https://www.printables.com/model/122378-cable-organizer-cable-clip>

I liked this design but:

- I want to organise larger cables (e.g HDMI, mains leads)
- I have cables of different lengths
- I want the clip to stay with the cable when unwound (so I don't lose it)

I designed this from scratch in OpenScad, based on the design linked above.

This is a parameterised model. You can choose:

- the cable diameter you have
- how many loops of cable you are trying to hold
- the height of the clip

- the overall width
- if you want a 'clip' to attach to the cable when unwound
- a modified design if you are using flex filament

With this you can now get a customised clip for each cable, that fits it perfectly.

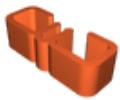
There is also a checkbox if you want to use TPU/TPE or any flexible filament. In this case the thickness is increased and the cable gap is reduced. Uncheck this if you are using PLA / PETG.

To use, open the .scad file in OpenScad. Ensure the customizer is showing (menu → Windows → Customizer), then enter the measurements for your cable.

There are limits when you increase the cable size/loops; if you get an error, increase the width, as there needs to be enough width to fit all loops.

This prints very easy on its side, no support needed.

Model files



cableorg_dia3mm_loops_x8_with_clip.stl

☐ Sample for 3mm cable diameter, 8 loops with inner clip



cableorg.scad



cableorg_dia38mm_loops_x10_no_clip.stl

☐ Sample for 3.8mm cable, 10 loops, no internal clip

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