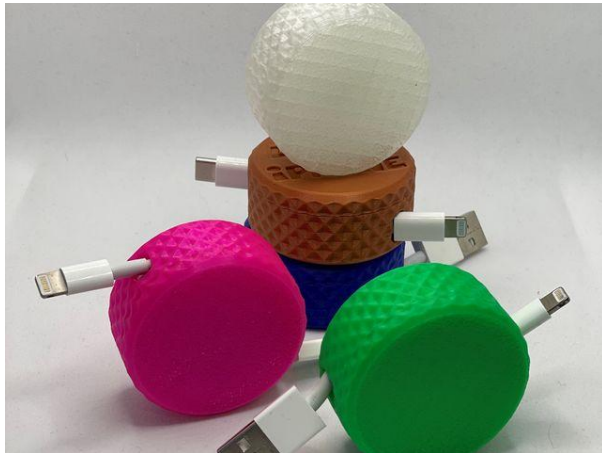




Charger Cable Organizer



DFV Tech

[VIEW IN BROWSER](#)

updated 22. 9. 2023 | published 22. 9. 2023

Summary

UPDATE!! NEW VERSION AVAILABLE



1.76 hrs



1 pcs



0.20 mm



0.40 mm



PLA



21 g



Prusa MINI /
MINI+

[Hobby & Makers](#) > [Organizers](#)

Tags: [cable](#) [organiser](#) [charger](#) [iphone](#) [usb](#) [usbcable](#)

UPDATE!GET THE NEW VERSION HERE -Charger Cable Organizer 2nd edition-

Due to many not reading the print instructions i've now put the instructions on top of the descriptions. **PLEASE READ BEFORE PRINTING!!**

"Print instructions:

Version 1: Prints without support and it's recommended to print the Lid & Casing with 15% infill, and the Core with 100% infill to make it more rigid.

Version 2+3: Prints without support and it's recommended to print the Lid and Casing with 15% infill, and the Core with **100%** infill to make it more rigid.

To do this in Prusaslicer you'll have to split the casing and core. Right-click the casing/core and select "SPLIT TO PARTS" then right-click the core and select "INFILL" and **set infill to 100% for the Core"**

We all know the problems with phone charger cables laying around and getting tangled up in all possible ways.

That issue I know all too well, and especially on my nightstand, I several times managed to get my arm tangled up in the cable while sleeping. And exactly this was also my motivation for designing this super simple but very cool cable organizer.

Just rotate the Lid to roll in the cable, -and to roll out the cable you simply just pull the two cable ends. [Watch video here](#)

Easy storage of cables, and fits right in the pocket or almost any bag or purse.

The pictures explain it all :)

It's designed to fit all standard 3mm cables with lightning or USB-C type connector.

Assembly is very easy and is done by snapping the parts together.

PLEASE make sure to have your printer tuned/calibrated to be able to print the version 2+3 casing/core part correctly. It has 0.2 tolerance gap between the parts.

UPDATE 11-01-2021:

Added some files with other patterns. (HEX & RIBBS)

You still need the Winder Core V1.stl It's only the Casing and Lid that has been changed.

UPDATE 12-01-2021:

Added files for a Cable Organizer with 6x14mm holes and a taller casing for cables with slightly bigger connectors.

UPDATE 22-01-2021:

Added a casing with slightly bigger holes to fit other cable types with bigger connectors. (6,5x12mm)

UPDATE: 24-01-2021:

Added a lid with a little flip-up handle. It's a print-in-place file and you only need to pry the handle free first time you open it.

Be sure to have the bridge settings tuned in and set bridging angle to 45 degrees.

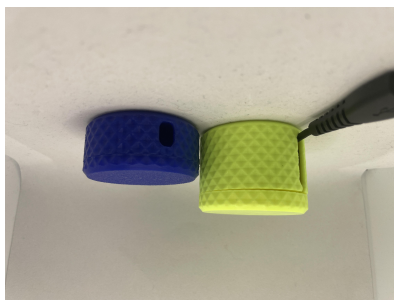
UPDATE: 26-01-2021:

This version is a 2-part print only. The casing and core is now one part. The core prints inside the casing and after printing you just snap it loose and it rotates smoothly.

I also added a open-top version to make it fit more cable types.

PLEASE make sure to have your printer tuned/calibrated to be able to print the casing/core part correctly. It has 0.2 tolerance gap between the parts.

UPDATE: 06-01-22: Version 3 now available.



Version 3 **EXTRA** compared to version 2

This version is an enhancement of version 2 with a bit more smooth curve on the first layer of cable and 2 taller versions.

The version 3 consists of 3 different casings with **STANDARD - MEDIUM - EXTRA** height of casing and core. This is done to prevent the top and bottom from getting thicker when scaling

up the model in the slicer. So if you want to print a taller/larger model you should select the EXTRA or MEDIUM model and scale it in X/Y only.

STANDARD - same height as version 2

MEDIUM - 6mm taller casing and core

EXTRA - 12mm taller casing and core

Version 3 is only available in the “open-top” and integrated core version and uses the same lid as Version 2

Version 1 casing with open-top holes uploaded.

TESTED version 2 Scale models:

120% all axis - OK

125% all axis - OK

130% all axis - OK

150% all axis - OK

200% all axis - OK

300% all axis - OK

125% X/Y axis - OK

150% X/Y axis - OK

NOTE: It's only the Version 1+2+3 that will be updated in the future.
Version 0 will remain only in original versions.

Post print instruction:

The Casing top-surface that rotate against the Lid might need some light sanding if the top surface is too rough.
But it's easy to determine the need of sanding by turning the Lid and Casing against each other before assembling all parts.

All parts needs to rotate freely to ensure the cable rolls in/out smoothly.

Happy Printing :)

If you enjoy my work please like and share your make or press the donate button to buy me a coffee.

Discaimer:

The Winder can cause kinks, excessive wear and damage to some cables over time, and the use of this design is at your own risk!

Model files

 **Version 3** 4 files

 **version-3-winder-lid.stl**

 **version-3-winder-casing-standard-high.stl**

 **version-3-winder-casing-medium-high.stl**



version-3-winder-casing-extra-high.stl



Version 2

4 files



version-2-winder-lid-with-bmw-logo.stl

☐ This is made for Multi Material



version-2-winder-lid.stl



version-2-winder-casing.stl



version-2-winder-casing-with-open-top-holes.stl



Version 1

10 files



version-1-winder-lid.stl



version-1-winder-lid-with-handle.stl



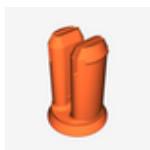
version-1-winder-casing.stl



version-1-winder-casing-bigger-holes.stl



version-1-winder-casing-open-top-holes.stl



version-1-winder-core.stl



winder-lid-ribbs-v1.stl



winder-casing-ribbs-v1.stl



winder-lid-hex-v1.stl



winder-casing-hex-v1.stl



Version 0

3 files



version-0-winder-lid-14x6-holes.stl

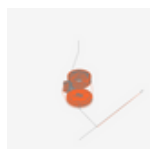


version-0-winder-core-14x6-holes.stl



version-0-winder-casing-14x6-holes.stl

Print files



winder-core-v1_02mm_pla_mini_1h46m.gcode

PLA 0.40 mm 0.20 mm 1.76 hrs 21 g Prusa MINI / MINI+

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