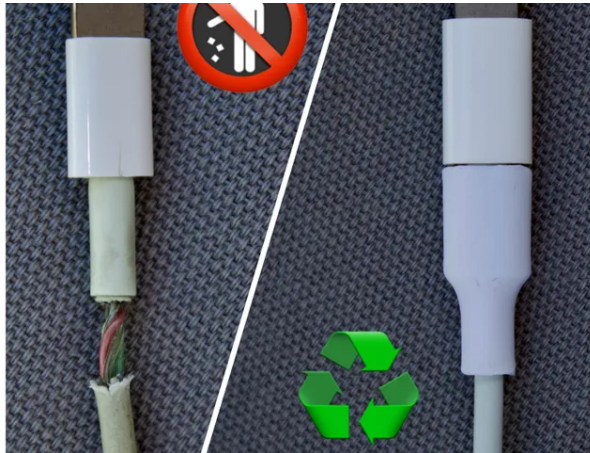
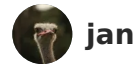




Cable Repair and Protect for iPhone and Samsung [lightning+usbc]



jan

[VIEW IN BROWSER](#)

updated 3. 12. 2024 | published 3. 12. 2024

Summary

The charging cable tend to always break at the same place. Fix this with this simple print and be safe! No glue needed



0.10 hrs



8 pcs



0.12 mm



0.40 mm



PLA



2 g



Elegoo
Neptune 4

[Gadgets](#) > [Portable Devices](#)

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replacementparts

broken

inventor

ersatzteil

wires

androidphone

chargingcable

ladekabel

The charging cable always breaks at the same position, just right under the plug.

Don't replace it, Repair it with this easy print!

This works for Apple USBC and lightning, as well as for samsung charging cables!

No glue or tape is needed.

////////////////////**Newest Version:**
V2////////////////////////////////////

Changes V2:

- the two parts are **easier** to assemble
- much more **smoother outside**

Changes V1:

- **New Samsung Adapter**
- adjusted the fit to be tighter
- assemble instructions

How to repair the cable:

1) Carefully cut off the straggly ends of the broken cable, this will help to fit the Cable repair better.

2) Download the .3mf / .gcode file and print it. Suggested settings are listed above.

3) Make sure the guide rails are printed well. This will help to assemble it more easily.

4) Put the two parts together.



5) Enjoy your repaired cable!

Tip: If there is too much friction add some lubricant or Vaseline to the guide rails. This will help. Make sure the parts are printed well, maybe work on the edges if needed.

Printer Information

I printed this with my Elegoo Neptune 4 with 0.12mm layer height (fine).

No supports needed.

Due to the fact that this is my first release, I'm happy to review your feedback, comments and makes!

If you need any help, feel free to ask me!

Original Product is the [USB-C to Lightning Cable \(1 m\)](#) from Apple.

Dimensions:

Lightning part:

- Top: 4mm
- Length: 9.1 mm
- Cable: 3mm
- Height: 5.5

USBC part:

- Top: 4mm

- Length: 10.3mm
- Cable: 3mm
- Hight: 5.5mm

Model files



V2

4 files



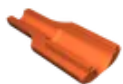
cable-repair-bottom-apple-lightning-v2.stl



cable-repair-top-apple-lightning-v2.stl



cable-repair-top-apple-usbc-v2.stl



cable-repair-bottom-apple-usbc-v2.stl



V1

4 files



cable-repair-lightning-v1.3mf



cable-repair-usbc-v1.3mf



cable-repair-usbclightning-v1.3mf



cable-repair-samsung-usb-c-v1.3mf

Print files



V2

4 files



en4_cable-repair-vertical-apple-usb-c-v2.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.12 mm ⌚ 0.16 hrs ⚖️ 2 g

☐ Vertical: Smoother outside, but slower



en4_cable-repair-horizontal-apple-usb-c-v2.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.12 mm ⌚ 0.10 hrs ⚖️ 2 g

☐ Horizontal: Faster print



en4_cable-repair-horizontal-apple-lightning-v2.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.12 mm ⌚ 0.05 hrs ⚖️ 2 g

☐ Horizontal: Faster print



en4_cable-repair-vertical-apple-lightning-v2.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.12 mm ⌚ 0.16 hrs ⚖️ 2 g

☐ Vertical: Smoother outside, but slower



V1

4 files



cable-repair-apple-usb-c-v1.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.12 mm ⌚ 0.03 hrs ⚖️ 1 g

📄 Use the finest setting possible. No supports needed.



cable-repair-apple-usb-lightning-v1.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.12 mm ⌚ 0.10 hrs ⚖️ 2 g

📄 Use the finest setting possible. No supports needed.



cable-repair-top-samsung-usb-c-v1.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.12 mm ⌚ 0.16 hrs ⚖️ 2 g

📄 Use the finest setting possible. No supports needed.



cable-repair-apple-lightning-v1.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.12 mm ⌚ 0.03 hrs ⚖️ 1 g

📄 Use the finest setting possible. No supports needed.

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