



## Parametric cable chain with cable separators

a ahorn

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### Summary

With the uploaded scad file you can easily create cable chains, the parameters to change are at the end of the script...

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With the uploaded scad file you can easily create cable chains, the parameters to change are at the end of the script (line 285 and following). The file was designed for a special purpose and was not cleaned up much before upload, but hopefully it's usable for other people too :-).

length: the total length of a chain link

outerWidth: the outer width of a chain link

outerHeight: the outer height of a chain link

angle: the angle from one chain link to another

clipDiam: the diameter of the round clip that connects to links

cables: an (multidimensional) array with diameters of the cables (include additional space of 10-20% per cable). I.e.: [[7.15, 6.6, 6.6], [7.15, 7.15, 6.6], [10.8, 6.6, 4]] => creates 3 columns with each 3 cables stacked.

The wall sizes can be changed in the module "chainLink".

The switch "singleLink" in line 321 allows to switch between a usefull view for editing and export (true) and a view to see a full half circle with the chain links attached to each other in the given angle.

## **Print Settings**

### **Printer Brand:**

Ultimaker

### **Printer:**

Ultimaker 2

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

0.1mm

### **Infill:**

100%

### **Notes:**

We used PET-G as filament therefore a wide brim (32 rounds) was necessary to avoid wrapping

Category: Parts

# Model files



**schleppkette\_thingiverse.scad**

[Find source .stl files on Thingiverse.com](#)

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