glasshouse

Glasshouse speaker Cable No.1 kit Description

PIC 1
Glasshouse speaker cable No.1
buy now!
kit price
£216.00+vat+carriage
built price
£246.00+vat+carriage
(2m length + terminated)

PIC 1b
Glasshouse speaker cable No.1 finished with expandable sleeving & purple heatshrink (optional extra)
buy now!
expandable mesh 5m length, black
£10.00+vat+carriage

PIC 2
Audio Note banana plug terminated ends

Introduction

Following on from the Glasshouse interconnect cable No.1, we have come up with a purest speaker cable, the Glasshouse Speaker Cable No.1, featuring hificollective`s world famous HGC 99.99% pure silver wire. Available in varying lengths and terminations.

It follows the plaited recipe, each speaker cable length is composed of six lengths of the HGC 0.5mm diameter solid core wire. Using 3 strands of the individually teflon sheathed wire for the send and 3 for the return. 3 pairs of wire are plaited loosely, then one wire of each pair is used for the send and the remaining 3 are used for the return. Simple. No covering is required for the cable as the plaiting process keeps the wires together. For the termination you can use the Audio Note silver plated CON-060 4mm banana plugs as shown in the pictures. Alternatively, you can use the Audio Note silver plated spades, the CON-065b. The send and return wires are marked using red and black heatshrink. Or you could leave them bare.

Being a kit you are saving money as you are only purchasing the composite components, the mark up of these is a fraction of the mark up of a manufactured cable, plus you have the enjoyment of making a relatively simple kit (1-2 hours work.

Listening Test

The cable needs about 100 hours to run in, or if you have access to a toasting device all the better. After burn in the cable caries the delicious detail that you would expect from pure silver cables. Trebles are silky smooth with amazing clarity, mids are well defined and clean and the bass is controlled, deep and full. Overall the Glasshouse Speaker Cable No.1 is a real stunner and you won`t look back.

CABLE TOASTING
Tired of waiting for your freshly made cables to burn in. Then look no further we at Hi-Fi Collective are now offering a cable toasting service, simply click **HERE** to find out more.

Instructions (pls refer to PIC 1-7) during construction

1. Dealing with one speaker cable at a time, have to hand the 6 lengths of HGC 0.5mm diameter wire. You will see that each wire is marked for directionality with an arrow, the wires need to be lying in the same direction. Choose an end and make sure that all six lengths have 10mm of exposed wire. If you need to strip back, use a stanley knife to carefully cut into the teflon sleeving, running the blade around the circumference, pulling off the teflon. Be careful not to cut into the silver wire.
2. At the exposed wire end, pair up the wires and loosely twist together the pairs, not too tight as they will need to be untwisted later. **See pic. 7**
3. The 3 pairs of wire need to be put in a vice ready for plaiting. You will notice on **pic. 6** that the vice mouth is lined with wood, this is preferred as it reduces the chance of damaging the wire and teflon, you could use cardboard if you do not want to go to the effort of fitting a wooden mouth to your vice. You will see in **pic 6** that the pairs are distanced some 10mm apart, this makes it easier to identify the pairs at the start of the plait. When fitting into the vice keep the pairs at the same length and do not over tighten.
4. You will see on **pic 5** that a ruler is present to give you an indication that there is around 4 plaits per 10cm. If you are not familiar with plaiting, ask someone who is, and it is well worth practicing on string for example. Plait away.
5. Stop plaiting when you are 9cm near the other end. Take one length from each pair and group together and plait these to their end. Do the same to the other 3 wires. Cut so the 2 sets of 3 wires are equal lengths. Take one trio and expose 10mm of silver wire using the method suggested in No. 1. Once exposed twist the three wires together and solder (if you intend on having unslodered bare terminals do not solder). Follow the same process for the other trio. See **pic 4.**
6. Staying at this end. Cut 5cm of black and 5cm of red heatshrink and place over the

PIC 3
ends before heatshrink fitted

PIC 4
un-terminated ends, send and return made up of 3 wires, one from each of the 3 pairs

PIC 5
3 wire pairs in vice, plaited with ruler guide.

PIC 6

ends, see **pic 3.** Now solder to your preferred terminal, keep the heatshrink away from the soldering iron as it will shrink. If you are using the Audio Note spades they do require quite a bit of heating. **hint** - use the vice to hold the terminals while soldering.

7. Allow the terminals to cool, then push up the heatshrink as shown in **pic 2** and use a heat gun to shrink the heatshrink. If you do not have one of these you can use the hob of a cooker, but be careful. If you are not terminating, you still need to use the heatshrink to mark the send(red) or return(black). Fit 30mm from the end.
8. The same needs to be done to the other end, so first, unplait 9cm from the end and untwisted the bare wire pairs. Using your multimeter on resistance setting, with your common lead on the send(red) end go through the 6 exposed end wires, identifying the zero resistance connections as this is the other send end. Group together the 3 wires and plait to their end, twist the bare wire together and solder and slide 5cm of red heatshrink over the end.
9. Before you do the same to the other 3 wires, just check with the multimeter they are indeed connected to the black termination at the other end.
10. Once happy, plait these 3 wires to their ends, twist the bare wires together and solder and slide 5cm of black heatshrink on.
11. As before solder to the chosen terminals, wait to cool, slide the heatshrink over the ends and shrink it on with your heat gun.
12. Just do a final check with your multimeter that the red to connected to the other red end and not the black, just to be safe.

You will have noticed the "HGC >" labelling on the wires this signifies that for optimum performance, the signal should run from the signal source (amplifier) to the output (loudspeakers). Also note that silver cable prefers not to be moved around a lot, to allow the crystals to align.

PARTS LIST

- HGC 0.5mm dia. wire 12m per 1m length of cable required
- Audio Note banana plugs / Audio Note spades / no terminals - your choice
- Red heatshrink x 20cm
- Black heatshrink x 20cm
- Mundorf Silver Solder x 1m

TOOLS

- Soldering iron
- Vice
- Hot air gun
- Multimeter
- Stanley knife

PRICES (excluding VAT & carriage)

- 2m length, terminated - £216.00 / unterminated - £192.00
- 3m length, terminated - £312.00 / unterminated - £288.00
- 4m length, terminated - £408.00 / unterminated - £384.00
- 5m length, terminated - £504.00 / unterminated - £480.00
- build price is an extra £30.00
- with black expandable sleeving, pls add £10.00

Pls note that the price of this cable kit is greatly reduced than if you were to buy all the parts separately.

3 wire pairs in vice, ready for plaiting.

PIC 7
3 wire pairs with ends twisted lightly together (no solder)

Please read this before ordering

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