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## Notes

1. Picture attached at end of this document as Figure 1.
2. twisted pair ignored due to short length
3. termination resistors ignored due to short length
4. happy to modify cable if someone can show up with a standard to follow.

## Cable Assembly

### ***Parts List***

4x 3pin male molex  
4x 3pin female molex  
pins for each (assume you will mess up a few, get extras)  
20 gauge solid core wire. red, white, black.

### ***Tools List***

pin crimp tool  
wire stripper

### ***Cable Harness Assembly***

build 4-drop cable.  
note 2 inner drops hav double the wires in the crimp.

cut cable 3x 0.3 meter lengths r,w,b  
strip 3/16 inch each

### **about pins:**

male pins go in female shell  
female pins go in male shell

### **about wiring the connector:**

red - pointy end  
white - middle  
black - square end

for inner connectors  
insert 2 stripped cables in pin; crimp; insert in shell  
for outer connectors  
insert stripped cable in pin; crimp; insert in shell

### ***Device Cable Assembly***

for pigtails:  
red is tx+  
white is tx-  
black is ground

### ***Device Power Cable***

power cables:  
2-pin  
DUT gets female shell  
red is +12  
black is -12 / ground

**Figure 1 OSDP Interop Cable**

