

9. IR Beacon Connecting Cable

9.1. The IR Beacons will be placed at opposite sides of the field for GET OVER IT!, therefore, you will need to create a longer cable than what was used last year.

Part List: All available at [www.digikey.com](http://www.digikey.com)

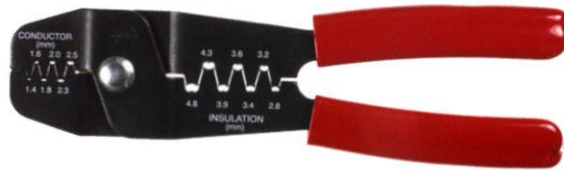
- Connector: Part Number WM2901 – Female socket 0.10” pitch (2 required)
- Crimps: Part Number WM2555 Connection socket crimp (4 required)
- Crimp Tool: WM9999
- Wire: Red: K386-ND 26 AWG Red Wire
- Wire: Black: K387-ND 26 AWG Black Wire

Strip at least .25” end of wire to reveal the copper, then apply a crimp to the stripped end, and close with the crimp tool.

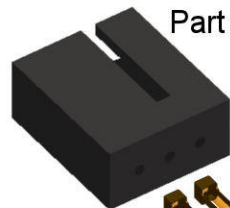
Insert the crimped wires into the connector housing. They should snap securely into place.

Be sure the red wire is always in the center position. The black wire can go into either of the outer slots on the connector.

Part # WM9999 - Crimp Tool



Part # WM2901 - 3 Pos Connector



Red wire in middle slot  
Part # K386-ND

Part # WM2555\_ND - Socket Crimp

Black wire in either outer slot  
Part # K387-ND

