



# Custom Sensor Cables

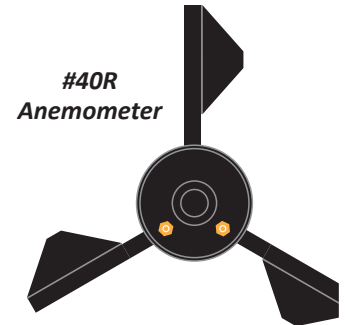
## APRS World, LLC

APRS World, LLC specializes in data logging and control equipment primarily for the renewable energy industry. To learn more about this product or any of our other products, please visit us online at:

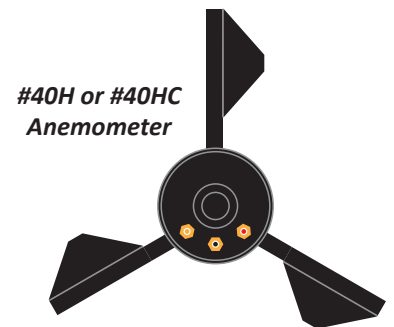
[www.aprsworld.com](http://www.aprsworld.com)

Every installation of an APRS World **Wind Data Logger** system is unique. For this reason, we offer **Custom Sensor Cable** options to meet the needs of your unique installation. Using our **Sensor Cable Builder** ([www.aprsworld.com/cables/custom/](http://www.aprsworld.com/cables/custom/)), you can:

- Specify the cable length (762 meters maximum / 2,500 feet). The sensor type may dictate a shorter maximum cable length.
- Specify the application: #40R Anemometer, #40H or #40HC Anemometer, Wind Vane, or Bare Wires (stripped or not stripped). For anemometers and wind vanes, the sensor end of the cable is terminated with soldered #4 ring terminals. The data logger end of the cable has the jacket stripped 5 centimeters / 2 inches and the individual wires stripped 1 centimeter / 3/8 inch and tinned.
- Customize the end labels



Our Custom Sensor Cables are built using **Arctic Ultraflex Blue™** which are UV resistant, power limited tray cable, 300 volt. This is our finest sensor cable and is exclusive to APRS World! It consists of three 20 AWG conductors protected by an ultra tough and highly flexible Arctic Ultraflex jacket. The cable remains flexible to -55°C. Conductors are red, white, and black. This is the ideal cable for our #40R and #40HC anemometers, and our wind vanes.



### Custom Sensor Cables

Part Number: Varies  
Shipping Weight: 1.25 kg per 30m / 2.8 lb per 100'  
RoHS: compliant



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## Other Available Cables Include

### **CAT5e — Gel Buffered, Direct Burial, UV resistant jacket - 8 Conductor / 24 AWG solid**

This cable is ideal for underground sensor connections. Typically used to run from a house to a tower mounted junction box. Suitable to be installed in underground conduit. Be sure to check fire codes before bringing gel buffered cable into a structure or through a firewall. **APRSC1300:** RoHS compliant. 304 meters / 1,000 foot maximum length.

### **CAT5e — Shielded, UV resistant jacket - 8 Conductor / 24 AWG solid**

This cable is used in strong RFI/EMI environments. Typically used on cell phone towers. **APRSC1200:** 304 meters / 1,000 foot maximum length.

### **CAT5e — Unshielded, PVC jacket - 8 Conductor / 24 AWG solid**

This cable is very good for indoor, temporary, and cost conscious installations. The cable is not specifically rated for outdoor use, however we have found that it will work fine for about 5 years before the jacket eventually cracks. Cable has four pairs of wires and can have RJ-45 connectors crimped on. This type of cable is often available locally for cheaper than we can provide it. Most hardware stores, home improvement centers, and electrical supply houses will have CAT5e available. Typically, in the USA, it costs approximately \$70 per 1000 feet. **APRSC1100:** 304 meters / 1,000 foot meters maximum length.

### **CAT5e — Unshielded, PVC jacket - 8 Conductor / 24 AWG stranded**

Patch cords. This cable is very good for temporary and cost conscious installations. The cable is not specifically rated for outdoor use, however we have found that it will work fine for about 5 before the jacket eventually cracks. Cable has four pairs of stranded wires and can have RJ-45 connectors crimped on.

RoHS compliant. Available as assembled patch cable (RJ-45 male on each end):

- **APRSC1001:** 0.3 meter / 1 foot (yellow)
- **APRSC1002:** 0.6 meters / 2 feet (purple)
- **APRSC1003:** 1.5 meters / 5 feet (white)
- **APRSC1004:** 3 meters / 10 feet (white)
- **APRSC1005:** 7.6 meters / 25 feet (yellow)
- **APRSC1006:** 15 meters / 50 feet (white)
- **APRSC1007:** 30 meters / 100 feet (white)

### **Arctic Ultraflex Blue™ Bulk Wire also available**



**Three Wire Bare / Stripped**



**Three Wire Bare / Not Stripped**



**Two Wire Bare / Stripped**



**Two Wire Bare / Not Stripped**