Quabbin Wire & Cable Co., Inc is well known as a stocking manufacturer of low voltage electronic and data transmission cables; however, we also have the capability to produce custom or special designs. We have thousands of designs on file, ranging from special hook-up wires to exotic composite cables. This Product Focus provides several examples of cables Quabbin has designed and produced for customers with unique application needs.

We can provide a cable design and quotation in 1 –2 working days, and manufacture the cable promptly after the design has been approved. Our design staff can work from an existing sample, a performance specification, or they can talk you through your design requirements.

Just as important, Quabbin can provide design/specification protection. Think of Quabbin for your next custom cable design or when you have an unusual cable requirement.

**Harness Replacement Cable**

- Single flexible cable replaces complex harness
- Combines power, control, video, voice, data

**Geophysical Sensor Cable**

- Common Drain Wire
- 2-Shielded Pair
- 22 AWG
- Common-axis cabling reduces size
- PVC or polyurethane pressured jacket
- Jacket provides sealed connection

**300 MHz Low Voltage Differential Signaling Cable**

- Stranded Drain Wire
- Foil Shield
- 2-Pairs Power
- 3-Pairs Data
- Data pairs: foam polypropylene
- Power pairs: solid polypropylene
- Data pairs’ impedance 100 +/- 10 Ohms to 300 MHz
- Design developed using length and data rate

**Commercial Cost-Saving Coax**

- Lead-Free Jacket
- Stranded Copper Conductor
- 90% Braid
- Cost-saving replacement for FEP designs
- Electrical/dimensional equivalent to RG-316
- Fits RG-316 connectors
- 75 C maximum rating
- Other “RG” equivalents available
Call Quabbin For Your Custom Cables

Flexible Medical Cable

- 90% Braid
- 2/C 22 AWG (150/44)
- 4/C 28 AWG Groups

Flexible matte finished jacket
Ultra-flexible stranded copper
40 AWG braid

Oval Composite Cable

- Shield Drain Wires
- Filler

Oval construction saves space
Isolated polyester/foil shields
3/C 18 AWG shielded group
2/C 14 AWG shielded group

Composite Scoreboard Cable

- 1/C 8 AWG Stranded
- Jacket Rip-Cord

8 AWG for power/grounding
Core design for round, flexible cable without fillers
2/C 14 AWG and 8/C 16 AWG

Digital Audio Cable

- Fillers
- Stranded Drain Wires

2-pairs 26 AWG foam insulated
Foil shields bonded to jacket
110 Ohm impedance
Pressured PVC “zip-cord” jacket

Special Telco Cable

- Fillers
- Overall Foil Shield

24 AWG pairs with foam insulation
Isolated foil shields
Impedance 100 ohms

Underwater Towed Sensor Cable

- Insulated Steel Wire
- Common Drain Wire

Pairs with common foil shields
Rope-stranded steel strength member
Pressure extruded polyurethane jacket

Contact us to design and manufacture your next custom cable requirement. Our unique “Integra-Design” process enables Quabbin to quickly respond at either the OEM equipment or system level. This is a paperless procedure that fully integrates the design of the cable and the development of the manufacturing process. The benefits are quick, accurate prototype delivery and a smooth transition to full-scale production without compromising the design.