

# Cable Connections

A cabling resource courtesy of Darotek

**Customer Satisfaction Survey is now available online at [www.darotek.com](http://www.darotek.com)**

## Recycling copper—what can you do?

*(Continued from page 1)*

Typically, the costs incurred to remove, store, and haul the materials to a recycling center outweigh the value of the reclaimed copper; but when you consider the big picture—the impact on the environment—there is more than money at stake. The folks at Darotek get a tremendous sense of satisfaction doing their part to protect the area they live and work in.

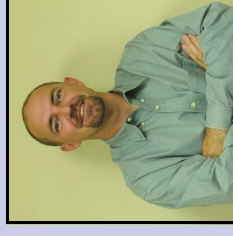
Darotek might salvage as little as a few pounds on a simple install job, to thousands of pounds reclaimed on a retro-fit of an entire building. What makes this reclaimed copper appealing to recycling companies are the conductors. Each cable typically consists of one form of copper or another. Some even consist of copper and another conductor such as aluminum or steel.

### **When do you remove the old cabling?**

This is a decision that is primarily based on cost and performance. For example: a new tenant is moving into a space that is pre-cabled. The existing cabling meets the criteria for the client's needs. But, the administration of the cables and the original installation complicate a retro-fit thereby increasing labor costs and possibly affecting the advantages of retaining the old cable. At this point it could be more economical to replace the old cabling with a new install. These are decisions that are not easily made without the advice from a knowledgeable source—**Darotek**. We can assist you in determining the costs and benefits, and supply you with the ultimate solution for your situation.

**Helping you stay connected!**

## From The President



Darren Bamard

### **Clients:**

#### **Our best asset**

The late actor, Jimmy Stewart, said, "Never treat your audience as customers, always as partners."

And, while Jimmy was referencing his fans, the same is true about our clients. We work on your projects as though we own your company. We consider your needs, your goals and your budget; and then we offer the best solution.

We pride ourselves on the relationship we have with our customers. It is a partnership built on trust and honesty.

We appreciate you and consider you to be our greatest asset. Because of our customers Darotek is preparing for its 6th year of service to the business community!

We always strive to improve our services, so we'd like to hear what you have to say.

Please log onto our website at [www.darotek.com](http://www.darotek.com) and complete our

#### **Customer Satisfaction Survey.**

We take your comments to heart!

## Darotek protects the environment by recycling copper

Copper is all around you—in your electric cabling, copper pipes, bathroom taps, and old hot water cylinders. It is one of the many metals that can be recycled. There are many advantages to recycling copper:

- **Cost Savings.** It is much cheaper to recycle copper than it is to mine new ore mainly because recycled copper is worth 90% of the cost of the original metal.
- **Energy Efficiency.** Recycling a ton of copper uses 15% of the energy that would be used to mine and extract the same copper. So recycling helps to conserve the world's supply of fossil fuels and reduce carbon dioxide emissions.
- **Conserve Landfill Use.** Disposing of waste in landfill has become a very expensive option. This cost can be avoided by recycling.
- **Protect the Environment.** When any metal is mined and refined, gases and dust are released. With recycling there are virtually no emissions.



### **How Darotek Contributes**

Darotek values the environment and recycles to protect the lakes and forests by recycling reclaimed communication cabling that contains large quantities of pure copper. These include:

- UTP unshielded twisted pair cables
- Coaxial cables in different styles
- Multi-pair OSP outside plant cables

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## You know you're addicted to the Internet when:

You check your E-mail. It says "no new messages." So you check it again.

## Standards for Cabling, Part I —Telecommunication Rooms

When your organization uses a vendor who adheres to the EIA/TIA (Electronics Industries Association/Telecommunications Industries Association) standards, you are assured of a finished project that will be reliable, flexible, and efficient. Data and telephony equipment can be moved quickly and easily and re-attach to the network by plugging into any telecommunications outlet throughout the building. A multitude of equipment, including voice (telephone, intercom, etc.), video and computers can use the same low-voltage, building-wide, standards-based, wire-and-patch panel installation.

These standards also equate into costs savings for you due to increased productivity, less downtime, and easy moves, additions, and changes in the future.

We are presenting a series of articles regarding the cabling standards for commercial buildings so you can remain informed and make decisions. In this newsletter issue, we're discussing the standards of Telecommunications Rooms.

### Telecommunications Rooms—Considerations

- These should be located near the center of the building, except in the case where more outlets are located on one end of the building. Then it is appropriate to locate the closet near that end of the building.
- There should be ceiling access to all parts of the building.
- Build at least one telecommunications room per floor.
- The telecommunications room can be a closet or a small (preferably enclosed) area in the corner of a centrally located room.
- It is recommended that wires coming into the closet be terminated at the back of a patch panel. A patch panel is a flat plate with rows of RJ-45 jacks set side-by-side. Each is numbered to correspond to the wall outlets distributed throughout the building. Terminating all wires to a patch panel provides simplicity and flexibility in the management of the network.
- There should be adequate lighting and air conditioning.
- There should be strategic placement of adequate power.

If you have questions regarding your telecommunications room, please contact Darotek. We'll be happy to assist you.

### Next Issue: *Different Categories of Wiring*



### Fast Fact

The U.S. does not depend on foreign copper...we are completely self-sufficient.

—www.copper.org

## Darotek's Services

Darotek offers design and installation services in structured cabling systems including voice, data, and video infrastructure.

We also specialize in consulting on network physical layers, and troubleshooting existing networks in order to increase your productivity.

Darotek offers the following services:

- Design and installation
- Service & maintenance
- Technology consulting
- Fiber optic cabling
- Copper cabling
  - Cat 5e
  - Cat 6
- Coax cabling
- Access control
- Video systems
- Server room build-out
- Troubleshooting



*Helping you stay connected.*

## The benefits of using Panduit products

Proper due diligence is critical when finding suppliers for your business. You want to ensure that their company and their staff meet or exceed your standards and quality control.

As a supplier for your company, we, at Darotek, find it imperative to also complete due diligence on the suppliers that we use. This way, your confidence in the ability of Darotek can extend beyond our company walls to the very vendors we use.

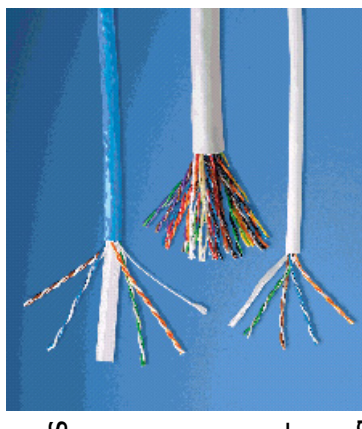
Darotek has chosen Panduit as its primary vendor due largely in part to their engineering reliability, ease of use and performance. All Panduit products used at Darotek, from cable management to connecting hardware, have consistently proven themselves time and time again.

While other manufacturers do make good products, it is Darotek's belief that, as a company, Panduit is more proactive in listening and responding to its clients. Panduit considers feedback from the very people that use its products—the installers like Darotek. Always looking for ways to improve, Panduit uses these comments in developing new products that meet or exceed the expectations of its clients.

Darotek uses a variety of Panduit products in each of your projects, including products that support, route, manage, connect and label all types of cabling such as: UTP, coaxial and fiber optic.

Panduit has an extensive line of products designed to work with different types of cables. This variety enables us to customize our installs for each of our clients.

As a company, Darotek is always striving to find better ways to be of service to you. Panduit offers us one way to accomplish that goal.



www.panduit.com

