Introduction to Copper Products Copper Cable Assemblies



A copper cable assembly is only as good as its parts and at Clearfield®, we only use the best parts available.

Whether it's a custom cabling solution that integrates with technologies for the world's most demanding semiconductor manufacturer or the data center for one of the Internet's top search engine companies, Clearfield takes your copper cabling requirements seriously. Combining 40+ years of experience, we can design and manufacture DS1, Telco, CAT5e and CAT6 patch cords and cable assemblies for just about any application.

We've earned a reputation for product quality and customer service by producing value-priced, high-quality product delivered to your schedule. From concept, to production floor, to your doorstep, our in-house engineering and design staff will work with you to tailor-engineer a solution that matches both your performance and cost requirements. Clearfield's connectivity expertise, combined with a personalized approach, gives our customers the highest level of service and quality.

Copper Termination Manufacturing Capabilities

All manufacturing is carried out under controlled conditions based on documented workmanship standards, product specifications, work instructions and QA inspection criteria. At Clearfield, we use the latest manufacturing processes combined with hands-on expertise and craftsmanship for each assembly we build.

Soldering, crimping and IDC termination can be performed on all types of cables, wire harnesses and electromechanical assemblies for a variety of high technology industries, such as telecommunication, computer, medical, military, automotive and industrial electronics. Electromechanical assembly capabilities include electronic sub-assemblies and complete product assemblies and test, using available inhouse or customer-supplied fixtures and test equipment. We invite short run projects, as well as, high volume production runs.





Application

Copper DS1 assemblies connect a variety of equipment.

Description

DS1 assemblies are typically constructed using 28 or 32 pair cable and 64 position connectors.

Features and Benefits

Integrity

- · Meets or exceeds EIA/TIA standards for data transmission
- Meets UL, CSA, and NEC standards
- · RoHS and WEEE compliant
- 100% visually and mechanically inspected
- · 100% electrically tested

Protection

- Custom lengths MP 10/15/15 to minimize cable pile up
- Optional PVC and Plenum jackets available

Access

• 90°, 120°, and 180° male and female interfaces available

Investment

- · CAT 5e available through special order
- · Stock and custom serialization and labeling
- Stock and custom lengths available
- · Custom pin outs available

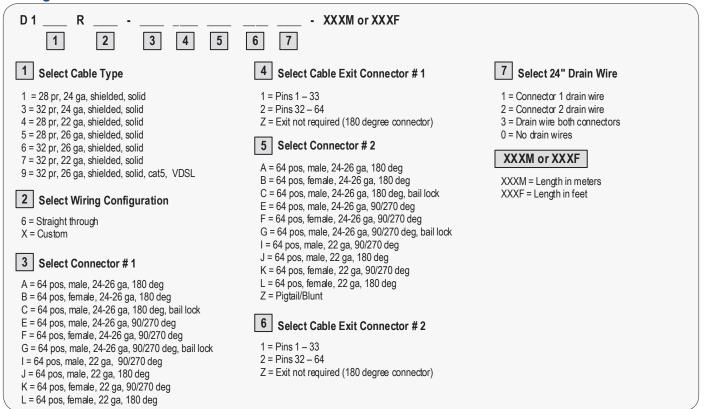




Copper DS1 Copper Cables



Configured Part Numbers



Copper Telco Copper Cables

Application

Copper telco assemblies connect a variety of equipment interfaces in carrier networks, private networks and customer premise environments. They are used to transmit analog or digital data for a variety of communication applications. Our high-quality cables ensure the integrity of your data path.

Description

Clearfield[®] 25/32-pair cables, terminated to 50/64-position RJ connectors, are manufactured to EIA/TIA standards. Our 25-pair Category 5e assemblies meet standards for data transmission up to 100 mbps.

25 pair 50 pin assemblies plug into many types of gear. Please specify when ordering what gear, if known, the connectorized ends will be plugging into to ensure the proper screws are included with the assembly.

Clearfield maintains a copper connectivity library for various manufacturing of active equipment and can provide assembly information specific to your connectivity needs.

Features and Benefits

Integrity

- · Meets or exceeds EIA/TIA standards for data transmission
- Meets UL, CSA, and NEC standards
- · RoHS and WEEE compliant
- 100% visually and mechanically inspected
- · 100% electrically tested

Protection

- · Custom lengths MP 10/15/15 to minimize cable pile up
- Optional PVC and Plenum jackets available

Access

- 90°, 120°, and 180° male and female interfaces available
- Octopus/Hydra assemblies available

Investment

- MP 10/15/15
- · Stock and custom serialization and labeling
- Custom pin outs available

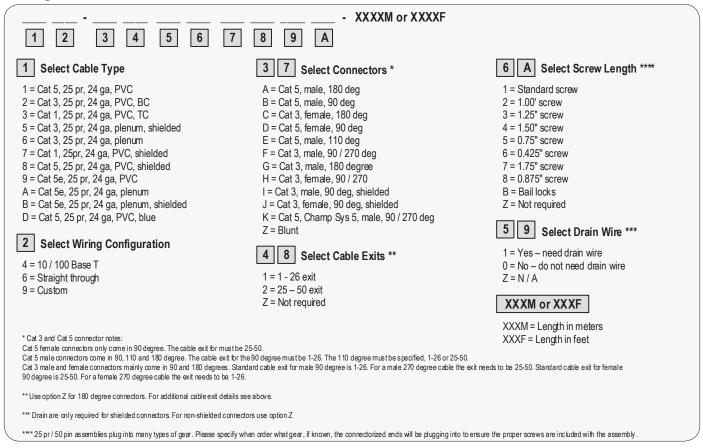




Copper Telco Copper Cables



Configured Part Numbers



Copper CAT5e and CAT6 Patch Cords

Application

Category 5e and 6 copper patch cords connect a variety of equipment interfaces in both carrier and private networks, as well as customer premise environments.

Description

These patch cords provide physical mated connections between components in 10BASE-T, 100BASE-T and 155 Mbps ATM networks. Clearfield[®] offers Category 5e and 6 copper patch cords with UTP cable and 8-conductor connectors manufactured to EIA/TIA standards.

Features and Benefits

Integrity

- Meets or exceeds EIA/TIA 568 B.2 MP 10/15/15
- · RoHS and WEEE compliant
- ETL verified
- UL Listed
- · 100% tested for continuity and performance

Protection

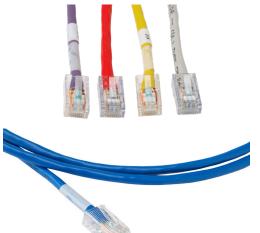
Strain relief boots

Access

- Latch guards with easy thumb depression
- Nine stocked colors with custom configurations available

Investment

- · Stock and custom serialization and labeling
- · Stock and custom lengths available





Copper CAT5e and CAT6 Patch Cords



Configured Part Numbers

CAT5e Patch Cords

