FLEXIBLE COPPER ELECTRICAL CONNECTORS

STORM POWER COMPONENTS

Product Guide 3

OEMs often need to connect two independent, high-voltage systems where vibration is present. But finding a fabricator with the capability to fabricate braided copper flex connectors is never easy.

Inside Storm Power’s AS9100D, ISO 9001:2015 certified facility, we manufacture standard and custom size flexible braided copper connectors with the precision necessary for both complex and routine uses.

By using Storm’s swaging capability, our machinists use high-pressure tonnage to cold press copper ferrules onto the ends of copper braids.

Flexible Copper Electrical Connectors Are Our Specialty

Our expert machinists understand flex-braid fabrication inside out. They know...

Where tweaks to design can improve connections, even if they are on different planes, while minimizing the need for additional bent parts.

Precisely how to source and stock more than 25 different sizes of material to make ferrules.

Flow sophisticated CNC punching and milling machines create a more efficient and aesthetically pleasing flexible copper connector.

What it takes to expertly manufacture custom ferrules and crimp tooling.

Which plating method best fits your application.

The questions to ask to know exactly what specifications your flex-braid will require...

- What is the current carrying capacity required?
- What size of landing pads will be needed on each end?
- Do you need round or flat braid material? Do you have a preference?
- Unplated or tin-plated copper braid material?
- How many braids will you need in the ferrule?
- Does your application require the ferrule itself to be electroplated?
- Do you know the hole size and pattern needed to bolt the braid?
- What circular mils of braids do you think you need?
- Does the flexible braided connector need UL® certification?

LINK TO BUSBAR AMPACITY TABLES >

Storm’s Manufactured Flexible Connectors Include:

- Tinned Copper Braided Jumpers
- Fusion Lugs
- Flexible Electrical Shunts
- Flexible Tin Plated Copper Straps
- Flex Connectors
- Braided Connectors
- Braided Copper Straps

Customers include mining, switchgear, nuclear energy, and power distribution markets, since braided electrical connectors solve connectivity problems created by vibration - where motor vehicles, army vehicles, construction equipment, or stationary motors from generators and transformers are affected by motion.

Mobile power plants and power plants located in earthquake zones also count on these tough products because they provide peak efficiency, and withstand extreme high voltage. When manufactured correctly, they often have long service life.