

## Ensuring the Durability of Cable Assemblies for Medical Devices



Cable assemblies for medical devices must meet certain requirements to be deemed safe for use. It is imperative that medical devices function properly because malfunctioning devices can cause death. When you are considering [medical cable assemblies](#), you should look into custom assemblies over generic cable assemblies.

How durable should medical cable assemblies be to meet industry requirements? The medical wire assemblies you choose for your medical devices should be easy to use but sturdy enough to prevent malfunctions. A good medical cable assembly will have a plug that is obvious and easy to connect, like a Type-C plug. It should also slide in smoothly and connect securely.

Medical wires should be very flexible. It should be coil-wound but not exhibit any memory when uncoiling. The tensile strength should also be strong enough to prevent damage but loose enough



to allow flexibility. The jackets of the medical cables should be smooth and nice to the touch but prevent cuts or tears to avoid damage to the wires. It should also be made of a material strong enough to withstand constant sterilization.

Any materials in your medical cable assembly need to be easy to clean and not trap dirt and biologics. This means using materials that don't have grooves or edges that anything can get trapped in, but that can also prevent electrical currents from escaping.

Any labels or special instructions on the assembly should be large enough to easily read, even if they are larger than the company logo. Safety is the most important thing to consider when it comes to medical cable assemblies. Consider printing labels on high-quality polycarbonate layered nameplates. Printed information that can't be read in low light or by someone with poor vision is useless and a waste of money.

Be sure that any medical cable assemblies you purchase are RoHS and REACH compliant. This means using materials that are Conflict Mineral compliant. The best way to ensure your medical wire assemblies meet these standards is by hiring a medical cable assemblies manufacturer.

If you need the services of a medical cable assemblies manufacturer, look no further than Star Engineering. Star Engineering has been around since the 1980s and has accumulated an invaluable amount of experience in medical cable assembly as well as other fields. We are known for unfailing service and high industry standards when it comes to customer service. The quality of our products is unmatched.

Star Engineering provides high-quality medical cable assemblies at relatively low costs. We believe in superior workmanship in order to be essential to our customers, and we provide differentiated products and services.



If you need medical cable assemblies, contact [Star Engineering](#) today. We have the most durable medical wire assemblies.

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