

SONOLINK Ultrasound Probe Cable

Golden Bridge Electech Inc.(GBE) developed a more flexible probe cable SONOLINK to reduce the strain for medical staff when making diagnoses.

Ultrasound probe cable is designed with multi-core micro coaxial cables bounded together which is soft and flexible for Ultrasound cable assemblies to transmit image and other data signals. GBE succeeded in producing 44AWG size micro coaxial cable and manufactured with special jacket materials, flexible and comfortable to the touch, but rugged for demanding surgical environments and able to withstand over 250,000 autoclave cycles. We supply customized cable solutions that are even smaller, even more complex and even faster, basing on our unique selection of components.

GBE offers an integrated range of products and services; as a design partner we design and manufacture special cables, cable assemblies for medical devices. We also offer multi cable consisting of coaxial cables and other wires used in magnetic resonance tomography. GBE manufactures complete, turnkey cable assemblies for ultrasound surgical and patient monitoring OEMS. As a vertically-integrated supplier with deep experience in engineering and manufacturing, GBE can provide either highly customized cables and assemblies or pre-engineered solutions to give you the best value for you specific application.

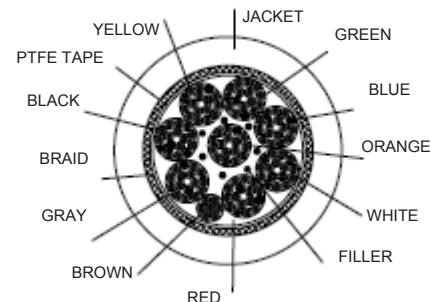


Bulk Cable

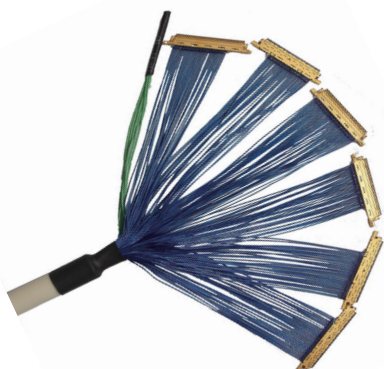


A wide range of probe cables are available, ranging from low capacitance types up to 42AWG and high capacitance types up to 44AWG. They are not only fine, but are also designed to keep excellent transmission performance with lower loss using high conductivity copper-alloy conductors and thinner foamed insulation with low-dielectric constant.

Core X Gauge	Capacitance (pF/m)	
208 X 40 AWG	110	60
208 X 42 AWG	110	60
135 X 40 AWG	110	60
135 X 42 AWG	110	60
68 X 36 AWG	110	



Cable Assemblies



From bulk cable and components to complete electronic packages, GBE delivers customized medical interconnect solutions for applications ranging from patient monitoring and imaging devices. The applications for medical probe cables, typically used in ultrasound diagnostic apparatus, are expanded to other medical equipment such as endoscopes, catheters, and animal probes. Golden Bridge offers customized probe cables to meet specific needs depending on the application or equipment, and provides products for usage in a wide range via our integrated production system, from fabrication processes, such as the laser stripping of insulation and outer conductors of micro coaxial cables and fine-pitch soldering of conductors, all of which require highly accurate processing technologies.