

# **Cable Assemblies** *for Critical Medical Applications*



*Application Specific  
Cable Designs*

*Standard and Fully  
Non-magnetic Versions  
Available*

*Signal, High Power,  
and RF/Coax  
Interconnects*

*Hypertac® Contacts  
Provide up to 100k  
Mating Cycles*

*Integral Electronic  
Circuitry Available*

## **Complete Interconnect Solutions for Medical Applications**

Hypertronics supplies high reliability connectors with medical grade cable utilizing standard and non-magnetic components and materials. Hypertronics designs and manufacture these connectors and complete cable assemblies for long life or disposable medical interface requirements.

The custom cable assemblies feature the legendary Hypertac contact that exceeds industry mating cycle life requirements. Available with RF, signal, and high-power contacts, the connectors are either one-piece or

modular to provide design flexibility and reduced costs.

Cable options include overmolded strain reliefs, splitters, custom coil side connectors and pigtail terminations. An electronic package can also be integrated into the cable assembly.

The combination of the ultra-reliable Hypertac contacts and Hypertronics' expertise in cable assembly and custom connector design results in a secure, cost-effective connection for the most critical applications.

Rely on Hypertronics for a complete, integrated interconnect cable assembly, all from one supplier, saving time and money.

# Cable Assemblies

## Complete Interconnect Solutions for Critical Medical Applications



### Connectors

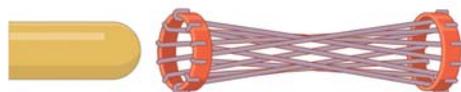
- Hypertac contacts perform flawlessly up to 100k mating cycles and provide ultra high reliability
- Standard and non-magnetic contacts: signal, high power and RF/coaxial
- Unitized or modular construction for design flexibility
- Ergonomic and aesthetically pleasing designs for medical use
- Integral electronic circuitry available to provide "smart" interconnect capabilities and custom electrical performance

### Cable Options

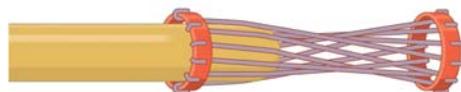
- Standard and non-magnetic cable
- Custom cable designed for specific medical requirements
- Custom overmolded strain reliefs
- Splitters
- Pigtails
- Customer specified interconnects

### Contacts

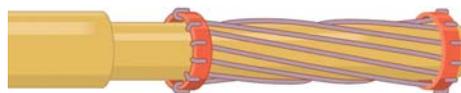
- Standard and non-magnetic Hypertac contacts designed for ultra high reliability
- High mating cycle life (up to 100k)
- Immunity to mechanical shock and vibration
- Low contact resistance



Wire sleeve before insertion of pin



Pin partially inserted into sleeve



Pin completely inserted into sleeve

*Hypertronics connectors are built upon the legendary Hypertac contact technology. These contacts feature a hyperboloid-shaped basket of individual spring wires that provide up to 100,000 mating cycles, approximately half the resistance of conventional contact designs, immunity to shock and vibration, extremely low insertion/extraction forces, and 360-degree wiping action.*



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