

Home > Library > Technical Library > Case Studies >
D Series Connects Tissue Freezing Catheter

D Series Connects Tissue Freezing Catheter

A start-up medical device manufacturer was developing a new cryoablation catheter system which used very low temperatures, rather than high temperatures, to ablate tissue in the heart to control arrhythmias. This minimally invasive procedure provides access through a small incision (typically in the groin area), letting the disposable catheter be fed up through a blood vessel to the heart, which allows for much quicker patient recovery than traditional open heart methods. The catheter required a simple to use connector, with at least 16 contacts, that could be reliably mated 100s or 1000s of times on the system side, but inexpensive on the disposable side.



Solution: D Series

The Smiths Interconnect D02 connector is available with up to 25 contacts, which could be selectively loaded if fewer are needed (16 in this case). A panel mount receptacle with Hypertac® sockets, on the system side, provides the end user with the required mating cycle life (up to 100k cycles), while the more cost effective plug, with male pins, on the catheter side assures reliability at a lower cost.



[View Product](#)

Customer Advantage:

Reliable: High cycle life on the system side increases the Mean Time Between Failures

User Friendly: The simple push-button latching system assures the connectors stay dependably mated during the procedure, then can be unmated quickly and easily

Economical: The standard 25 position D02 can be selectively loaded easily without custom components, and the male plug provides a cost effective mate to the receptacle with high cycle life Hypertac® socket contacts

Crimp and Poke Contacts: Eliminate the need to pre-tin, solder, and shrink boot during termination – reducing assembly costs and cost of ownership

Company



News & Events



Markets



Products



Contact



smiths interconnect

[Sitemap](#) [Privacy Policy](#) [Cookie Policy](#) [Legal Notice](#) [Anti-Modern Slavery & Transparency](#)

Copyright © 2020 Smiths Interconnect. All Rights Reserved.

