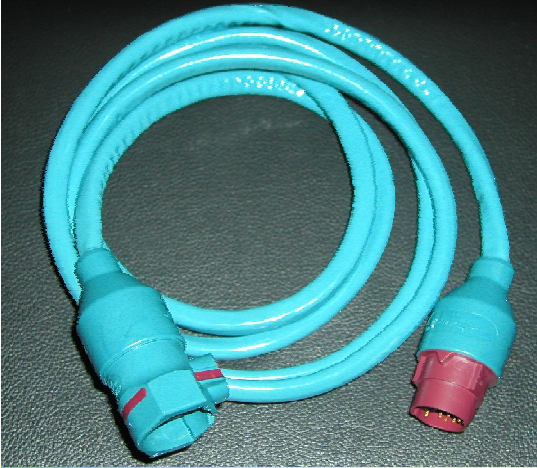


# Airbrush® Multicore Cable Connector Assembly Has Many Applications

**BioSculpture Technology, Inc.** announces the availability of its patented multicore cable assembly for aviation, automotive, robotic and defense applications.



## Opportunity

Pneumatically –powered surgical instruments are optimally designed with closed feedback circuits but must ideally be rapidly sterilized between uses in a steam autoclave. These environmental conditions place severe constraints on material and design parameters. Signal separation and circuit isolation are of critical concern.

Making multiple pneumatic and electrical connections secure, leak-proof, and capable of quick disconnection, while rugged and resistant to harsh environmental conditions posed an enormous challenge.

## Solution

The single-button quick connect/disconnect male and female connectors are capable of carrying two fluidic channels with a burst strength of 300 PSI and 8 electrical circuits, 2 of which are suitable for RF signals.

Connectors are keyed and clearly marked in contrasting colors for rapid alignment. The male and female connectors integrate with special strain reliefs and shrouds that allow cable assemblies to be environmentally sealed.

BioSculpture Technology, Inc. holds multiple patents♦ which cover their use in the *Airbrush Liposculpture® System♦♦* and pending patents cover the custom design of the inserts and easy–assembly electrical matings.

## Results

The multicore cable assembly system is particularly suitable for providing closed loop feedback and other functions to precision pneumatic controls. Applications include aircraft row console panels, aileron and landing feedback linkages, anti-lock breaking connections offering fast repairs and field replacement.

♦ U.S. Patents 5,112,302; 5,348,535; 5,643,198 ; 5,795,323; 6,346,107; 6,394,973; 6,652,522; 6,761,701; 6,872,199; 7,112,200; EPO 94306845.2; and multiple other patents pending.

♦♦ FDA 510(k) 031881

BioSculpture Technology, Inc., 40 Central Park South, NYC, NY 10019  
TEL: 2129775400 • Fax: 2125869529 •  
Web: [www.biosculpturetechnology.com](http://www.biosculpturetechnology.com)

Copyright © 2007 by BioSculpture Technology, Inc. All rights reserved.