



# INSIDE RF INDUSTRIES

A Letter of News and New Products — 2012, Issue 1

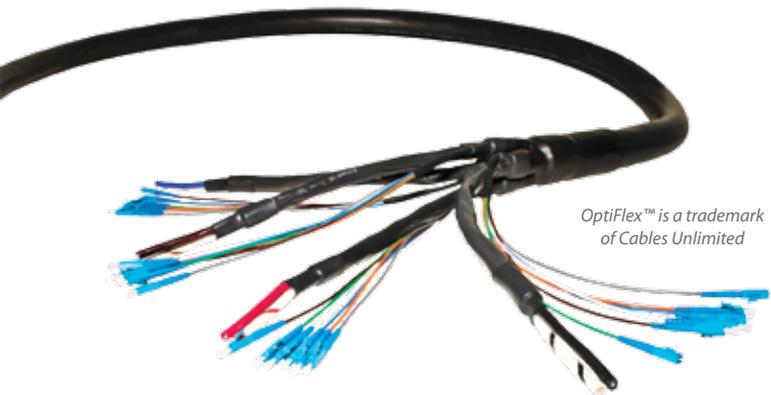
# Climb, Attach, Connect

*Save Time and Money  
on Your Radio Head  
Installations*



## OptiFlex™ Hybrid Cables

Cables Unlimited's OptiFlex™ Cable is a hybrid power and communications cable built to customer specific requirements. It is a flexible, pre-terminated cable comprised of multiple fiber & power cables with a braided outer conductor to serve as a ground, under one jacket. Coaxial and Ethernet cables are also available for bundling. This is a perfect solution for wireless carriers updating their networks to 4G technologies WiMAX, LTE, etc. The OptiFlex™ Cable connects both DC power and RF signal from the remote radio unit (RRU) at top of tower and the baseband unit (BBU) in the shelter. Using OptiFlex™ it eliminates the need for tower hardware and uses a soft, flexible, transition connection that eliminates needless lease costs and installation time.



*OptiFlex™ is a trademark  
of Cables Unlimited*

OptiFlex™ fiber optics are all terminated fiber by Corning certified technicians, maximizing system performance by minimizing errors caused by field terminations. Simply climb, attach and connect — you're done! Cuts install time tremendously.

## Custom Enclosures for Coax, Power, Ethernet, and Fiber Cable Integration

Just as Cables Unlimited has the ability to provide fully integrated custom rack and stack data centers, we can also pre-wire and terminate the hybrid cables now being used in 4G, WiMAX, LTE type deployments. Whether it is coax, power, Ethernet, fiber optics or a combination of all four cables being used, Cables Unlimited can integrate your requirements into a single enclosure, all ready to be mounted onto the site to speed up installation time.



OptiFlex™ spec sheet

.CONNECTING THE WORLD.

[www.rfindustries.com](http://www.rfindustries.com)



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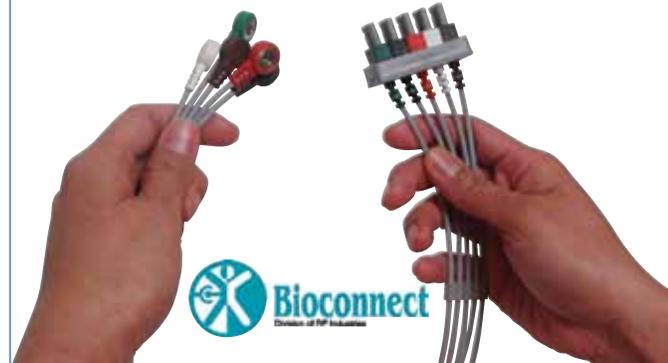
## Custom Harness Capabilities

ELECTRICAL, THERMOCOUPLE AND FIBER OPTIC harness assemblies are manufactured in our facilities to demanding customer specifications. EMI shielding and armoring can be incorporated into harness assemblies upon request. Abrasion resistant jacketing is available to house cable bundles. This is one of countless custom cable assemblies we are able to manufacture. Feel free to contact us with your requirements.



## Superior Touch and Service Provided by Using Santoprene™ Thermoplastic Elastomer

- Latex-free
- Stands up to common sterilization methods
- Secure grip

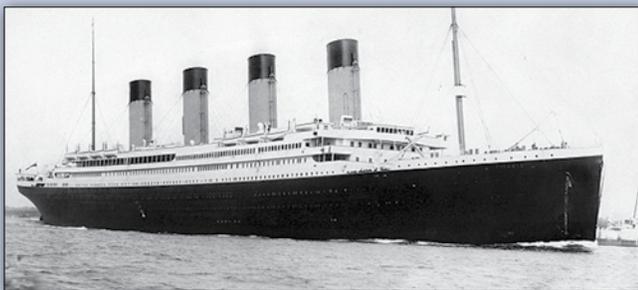


### RF Industries Welcomes Hal Wooden

HAL W. WOODEN has joined RF Industries as Vice President of Sales. "Hal has over 19 years of executive sales management experience in the wireless and networking industry along with 8 years of project and program management expertise in the SCADA and telemetry marketplace. He is well known in our product markets and is in demand as a keynote speaker at wireless industry events," said Howard Hill, Chief Executive Officer of RF Industries. Hal was most recently Vice President of Sales at Talley Inc.



### Trivia Answer



*"Wireless" equipment and applications were in their infancy in 1912, with the industry in a period of slow growth. Installations were limited to luxury passenger vessels, primarily for the transmission of commercial message traffic for profit. Signaling for distress was incidental. After the sinking, public awareness of "wireless" use in saving lives and regulations requiring all ocean-going vessels and land stations to have "wireless", spurred the growth of wireless, radio and electronics industries.*

### INSIDE **RF** INDUSTRIES

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Published Quarterly — Linda Heida, Editor

Please contact us for more information on any product or service, or for a distributor near you.

### Visit Us at the Show!

Del Mar Electronics and Design Show  
May 2-3, San Diego, CA, Booth 671

CTIA  
May 8-10, New Orleans, LA, Booth 4375

AAMI (Bioconnect)  
June 2-4, Charlotte, NC, Booth 912

IMS 2012 / MTT-S / IEEE  
June 19-21, Montreal, Canada, Booth # 3212

FRI (RadioMobile)  
July 31–August 4, Denver, CO, Booth 12024  
(RadioMobile Division)

FIME (Bioconnect)  
August 8-10, Miami, FL, Booth 1279

APCO International (RadioMobile)  
International 78th Annual Conference & Expo  
August 19-22, Minneapolis, MN

Contact us for free or discounted show passes.



# RadioMobile Awarded L.A. County Fire Network Upgrade Project

**RADIOMOBILE, DIVISION OF RF INDUSTRIES,** is currently upgrading the Los Angeles County Fire Department's wireless infrastructure system for dispatch, command and control from legacy to current FCC narrowband compliant technology. RadioMobile will perform this wireless upgrade with zero downtime, enabling users to seamlessly transition to a higher data speed system. The County will also benefit from RadioMobile's IQ Mobile software that will operate on mobile data computers and has been designed to closely match their current CRT based mobile terminal layout, thus minimizing transition time and user training cost. The IQ Mobile software will interface with the County's existing Computer

Aided Dispatch system and operate on County-owned mobile computing terminals to provide personnel with critical dispatch information at their fingertips. With the FCC narrowband mandate deadline of December 31, 2012 fast approaching, RadioMobile is excited to implement this upgrade in a timely manner to enable the county to phase out legacy technology and maintain a secure and private communication backbone.



RadioMobile Fire Solutions



**RadioMobile**

## "Connector Saver" with Stainless Steel Coupling Nut Reduces Testing Expense

**7-16 DIN CONNECTORS** are large format 50 ohm interfaces designed for high power wireless telecommunications applications such as antennas, base stations, and satellite communications.

Test ports are subject to minimal wear each time the connector interface is coupled and decoupled. Contact pins and dielectrics can be damaged if connectors are misaligned during coupling. It is far more cost effective to introduce a "connector saver" adapter as the adapter mated directly to the test port adapter. One mating cycle on the test port to five hundred or more on the connector saver increases the testing life of the test port. Any misaligned matings will damage the connector saver, not the test port interface.

The P2RFD-1660-SS low loss, low VSWR, precision adapter performs this function when testing 7-16 DIN connectors and assemblies. After carefully installing the P2RFA-1660-SS on the test port, hundreds of tests, even PIM testing (requiring greater torque per test to insure proper ground) can be performed before wear requires replacement. The P2RFD-1660-SS adapter is machined to exacting specifications with a white bronze plated body and stainless steel coupling nut for tarnish free service.



P2RFD-1660-SS

Part of our precision product line.  
Contact us for details or  
visit [www.rfp2.com](http://www.rfp2.com).



# Got Narrowband? — Don't wait too long

RF Neulink designs and manufactures the wireless radio modems that comply with the upcoming FCC narrowband mandate.

## It's your choice



### NL6000 — VHF/UHF Radio Modem

Forward error correction  
Configurable as data repeater  
Available in 12.5 channel spacing  
-115 dbm for 99% message reliability



### NL5500 — Cost-Effective VHF/UHF Modem

Tx output power 1-6 Watts  
Available in 12.5 channel spacing  
-107 dbm for 99% message reliability  
Fully compatible with NL6000



### NL5000 — Synthesized VHF/UHF Transceiver

Conventional VHF/UHF frequencies  
Voice and data  
Tx output power 1-6 Watts  
Available in 6.25 and 12.5  
PC configurable RS232 serial port

We do systems at

**RadioMobile**

See inside for more about us.

FCC Deadline: Midnight, December 31, 2012

**rfneulink**  
making **RF** the strongest link

*For a limited time our wireless data transceivers will be discounted.*

*How did the sinking of the Titanic on April 14, 1912  
change the "wireless" industry?*

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