

# Cellular Backhaul Solutions

## From Planning to Delivery of Products, Implemented by Product Management Professionals

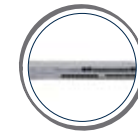
Increased demands on video services through cellular backhaul transport for 3G, 4G and NG technology requirements means CATV, Telecom and Wireless service providers must rapidly expand signal backhaul capacity across the wireless network. With system architecture ranging from T1 transported TDM 2G and ATM 3G platforms up through 4G all-packet based technology architectures, the use of copper, fiber and Ethernet interfaces for interconnection between these functional elements are required.

**TVC Communications has been providing backhaul solutions for years.**

There are over 200,000 wireless towers in the Western Hemisphere available for backhaul transport, with

construction and expansion requirements well into the next decade. TVC Cellular Backhaul Solutions integrates the application requirements and delivers rapid, high quality, low cost solutions to start the cost savings and improve revenue for our customers immediately.

TVC Communications has the leading strategic vendor relationships, application knowledge, logistics and inventory to help you succeed. Whether you need Metro Ethernet, Cable & Connectivity, Enclosures, Power Distribution, Test Equipment, Tools, Grounding, Aerial Hardware, or a vast array of Underground conduit, vaults, or our own MaxCell Innerduct, TVC Cellular Backhaul Solutions are for you.



### Metro Ethernet

CWDM  
Ethernet  
T1/DS1, T3/DS3  
SONET/SDH  
Fiber  
SFPs



### Test Equipment

Fusion Splicers  
OTDRs  
Light Sources &  
Power Meters  
WDM/OSA

Providing:  
Inspection & Cleaning  
RFC 2544 Loopback  
Birth Certification  
Service Level Agreements  
OAM-Compliance  
MTTR Reduction



### Cable Connectivity & Storage

Cabinets  
CAT5E & 6 Cable  
CAT5E & 6 Jumpers  
Enclosures  
Fiber Cable  
Fiber Closures  
Fiber Couplers

Fiber Domes  
Fiber Jumpers  
Fiber Patch Panels  
Fiber Splice Trays  
Racks  
Wire Management



### Aerial Products

Cable Spacers  
Cable Supports  
Deadends  
Electrical Tape  
Fiber Storage Loops  
Guy Guards  
Guy Hooks  
Lashing Wire

Machine Bolts, Nuts &  
Washers  
Stand Off Brackets  
Strand  
Suspension Clamps  
Tie Wraps  
U Guards



### Underground Products

Conduit  
Conduit Cement  
Conduit Fittings  
Duct Plugs  
Fiber Markers  
Handholes  
Innerduct-Rigid  
Lube

MultiCell  
Poly Rope  
Pull Tape  
Tie Wraps  
Tracer Wire  
Vaults  
Warning Tape

MaxCell - Standard  
Maxcell - Detectable

## Premier Manufacturers

3M  
AD Technologies  
AFL  
ANDA Networks  
Carlson  
Corning Cable Systems  
EXFO  
Fiber Cable & Accessories

Greenlee Tool Co.  
Inventronics Ltd.  
ITW Chemtronics  
Klein Tools  
MacLean Power  
Marathon  
MaxCell

National Strand  
Neptco  
OFS  
Preformed Line Products  
Prysmian Cable  
Telect  
Tyco Electronics  
Wirewerks

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450.674.1554 fax  
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800.319.9933 toll free

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305.716.2161 fax

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Xola 613 Modulo 2, PB.  
Colonia del Valle  
Mexico City, Mexico CP 03100  
011.52.55.5639.2926 ph  
011.52.22.5639.2926 x102 fax

### Vikimatic [www.vikimatic.com](http://www.vikimatic.com)

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623.582.2915 fax

### Satellite Engineering Group [www.sateng.com](http://www.sateng.com)

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# Cellular Backhaul

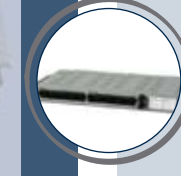
## Cellular Backhaul Products and Integrated Service Solutions



Metro Ethernet



Cable Connectivity & Storage



Power Distribution



Test Equipment



Bonding & Grounding



Aerial Products



Underground Products



**1**



**MACLEAN POWER SYSTEMS**

MacLean Power Systems is a leading manufacturer of products for the CATV, electric utility, telecommunications and civil markets. Our complete line of pole line hardware answers the needs of any aerial plant construction requirements.

**2**



**EXFO**  
EXPERTISE REACHING OUT

EXFO's mobile backhaul focused products deliver the performance and flexibility to remotely carry out both automated testing and live service monitoring throughout an entire network.

**3**



**Telect**

Gain maximum flexibility and advanced capabilities with Telect backhaul solutions. Compact, cost-effective and dynamic T1 demarcation and testing panels, multifunctional (DS1, DS3, Ethernet, fiber) connectivity systems, and power distribution – all are just 1 RU.

**4**



**MaxCell**  
FABRIC INNERDUCT

MaxCell Fabric Innerduct allows for placing up to 300% more cable in occupied or new conduit structures. Overriding existing cable structures provides substantial plant construction costs by reducing or eliminating the need for trenching in new conduits.

**5**



**Vikimatic**  
A Division of TVC

Vikimatic delivers diverse and original outside plant and underground products to help provide timely solutions for a multitude of utility construction situations, focusing on Telco customers as well as government and private network initiatives, including FTTx plant requirements.

**6**



**wirewerks**

Wirewerks is an end-to-end Fiber connectivity backbone provider for high performance systems that require a premium reliable solution. Wirewerks provides the entire range of Fiber management from patch cords, cassettes, adapters, to high density panels.

**7**



**INVENTRONICS**

Inventronics is a manufacturer and designer of custom outdoor enclosures. For more than 35 years, we have built a reputation as a high quality, cost effective supplier to many telecommunications, CATV, and utility companies.

**8**



**ANDA NETWORKS**

ANDA Networks provides innovative carrier-class Ethernet equipment solutions for delivering cost-effective Metro Ethernet services over fiber, copper, and wireless based access networks serving a key role in Maximizing Ethernet Service Reach for our carrier customers worldwide.

**3**  
**6**  
**8**

