



delivering products, knowledge, service and experience



to the broadband and telecommunication markets





In December of 2010, TVC Communications was acquired by WESCO Distribution, Inc. (NYSE: WCC). Under the WESCO Data Communications division, TVC is now partnered with Communications Supply Corporation, both recognized as leaders in our respective markets. With WESCO, no other company can deliver this datacom and broadband product offering package at this level. TVC's industry knowledge, experience and customer service excellence brings a powerful addition to WESCO. There is a great legacy of supplier and customer relationships with TVC spanning over 50 years. That doesn't change, and now only gets better.

As TVC brings our valuable attributes to the One WESCO initiative, the message is clear: we will work endlessly to provide the best customer service; make available the widest range of quality and cost effective products and services known in the market; and, provide the most comprehensive and efficient supply chain utilized today domestically and internationally.

TVC offers new solutions to our customers in areas such as security systems, data center infrastructure, integrated supply, Lean Value Creation and sustainable initiatives that provide high performance and cost savings for the long term. TVC can also provide the maximum potential opportunity for our partner suppliers to get global product penetration for the immediate and long term benefit of our collective customers.

TVC Communications and One WESCO – watch for exciting new changes coming your way from the company you have trusted as your broadband products and solutions provider.

Partial List of TVC Customers

US Customers

- AT&T
- BNSF Railway
- Bright House
- CableOne
- Charter
- Comcast
- Cox
- General Dynamics
- Insight
- Level 3
- Lucent
- Mastec North America
- National Cable Television Coop
- OmniPoint Facilities
- Qwest Federal
- Time Warner
- T-Mobile
- US Military
- Verizon
- WideOpenWest
- XO Communications

CALA Customers

- América Móvil
- Anixter
- Cable Bahamas
- Cable & Wireless
- Cablemás - Mexico
- Cablevision Mexico
- Cable Onda
- Columbus Communications
- Liberty
- Net Fortaleza (Videomar)
- Televisora De Costa Rica
- Telmex Internacional

Canadian Customers

- Access Communications
- Bell Aliant
- Bell Canada
- Cogeco
- Eastlink
- MTS Communications
- Rogers Communications
- SaskPower
- Shaw Communications
- Telus
- Videotron

Europe & Middle East Customers

- Axione
- Colt
- Du
- France Telecom
- free
- Interoute
- Ministry Of Communications Kuwait
- SFR
- Telenco
- US Military
- Vodafone

About TVC

TVC Communications, a Division of WESCO Distribution, Inc., delivers the products and technical support to build today's communications infrastructure. We are backed by close working relationships with top manufacturers and have a deep understanding of the applications and technology behind the products we sell. TVC has proven itself to be a valued partner to both the broadband cable and telecommunications industries. The strength of our product and brand offerings is unmatched in our industry.

FTTx plant requirements. MaxCell™ is a flexible, multi-celled fabric innerduct system specifically designed for the network construction industry. Marathon®



strategically located distribution centers

oldest product distributor and service provider in the broadband market

In addition to our sales offices and distribution centers located throughout the United States, TVC has a Caribbean and Latin American division headquartered in Miami, serving Mexico, the Caribbean, Latin America and South America. The Canadian division includes distribution and sales facilities in Toronto, Vancouver and Montreal with two additional sales offices in Calgary and Halifax. Furthermore, WESCO has over 400 branches located throughout the world and has many supplier relationships that TVC can leverage to better serve our customers.

and BGI provide high quality, cost effective products for the broadband market. White Sands Engineering fabricates precision custom cable assemblies for a variety of markets including broadcast, security, home theater and cable television. Satellite Engineering Group specializes in product distribution, installation, integration and maintenance for satellite and broadcast networks.



excellence in customer service

TVC's brands, Vikimatic®, MaxCell™, Marathon®, BGI, White Sands Engineering® and Satellite Engineering Group, deliver innovative products and services to help you meet your communication goals. Vikimatic delivers outside plant and fiber optic products to infrastructure projects, focusing on Telco customers, government and private network initiatives, including

Our team of product managers and technical specialists provide a wide range of professional services including system design, product support and supply chain management to assist in the launch of the latest technologies, including Metro Ethernet, Cellular Backhaul, Transport and Access Products and Provisioning Software, identifying critical cost-saving opportunities.



from planning to delivery, complete solutions

TVC Communications.....delivering products, knowledge, service and experience.

Distribution and Support Solutions

System operators are navigating new revenue generating business services, engaging numerous different suppliers for planning, integration, implementation, products and delivery information. TVC Communications can simplify this process and become your sole resource to provide end-to-end solutions.

TVC's Business Services Product Managers, Sales Engineers and Account Managers provide a wide range of technical support services including system design, product support and supply chain management to assist you in launching the latest technologies, identifying critical cost-saving opportunities.

Product Training

TVC Sales and Product Management personnel will perform product training at customer or project site locations – wherever the need, at your convenience. In addition, TVC conducts WebEx/ remote training on many of our products.



Custom Kitting

TVC works with our customers to custom kit any of the products that TVC provides to any specification. Some of our standard kits include tools, self-installation kits for cable modems, VoIP, and HDTV related products for field technicians or construction crews.

EDI, SWEB and E-commerce

TVC offers paperless order and invoice processing to its customers and suppliers. Additionally, we have a secure extranet feature, allowing customers to search inventory, track their own order status and other custom applications.



Currently, our SEG division has full e-commerce capabilities on their web site, with all other divisions to be e-commerce capable in 2012. We have a commercial e-commerce site, HomeNetworkSupply.com, designed specifically for contractors and individual consumers.

Freight, Packaging, and Logistical Support

Our business relies on getting products to our customers in a timely, efficiently packaged and cost effective manner. TVC Freight Services continually evaluates the best methods and carriers to bring our products to our customers, whether through our global small parcel contracts, LTL, or specialty

carriers. In addition, customers can request packages, boxes, pallets and truckloads to be packed, sorted and shipped to destinations in a precise manner that meets specific customer needs, including environmentally friendly solutions.

TOOLS™

TOOLS™ (TVC Ordering On-Line System) is an internet based, customized Bill-of-Material management system offered to installers and contractors. Based on customer-designated criteria, TOOLS has proven to be an outstanding tool in streamlining the procurement process of regularly purchased products used by multiple field installation personnel.

Distribution and Material Management

TVC's unique position in the market, including its long standing relationships with key manufacturers, allows us to stock and deliver the products where and when our customers need them. With

automated inventory management, vendor managed inventory programs, emergency order expediting, and regional stocking facilities, TVC delivers 98% on-time and claim free shipments per day with a 99% same day fulfillment rate.



Customer Service

TVC provides dedicated customer service personnel to support the unique and varying regional requirements of our customers.

Professionally trained in both technical product information and business best-practices, our customer service personnel are knowledgeable, accessible and responsive.

Regional Support teams have personnel that are fluent in a variety of languages in order to support local customer needs.

Professional Services

Feasibility Studies and Project Management

TVC Communications can evaluate your current infrastructure, helping you maximize bandwidth within the confines of your existing network. Once completed, we will make recommendations for expansion, adding new technologies and services to increase revenue generating deliverables. TVC can be your complete project management partner. Contact

Network Upgrades and Provisioning

Upon completion of planning, design and installation, the most critical phase of the project occurs – Turn-Up. Providing System Verification Testing for all new applications, TVC will ensure your new revenue-generating services are fully operational on day one. TVC can also provide integration, provisioning and billing software for all new applications.

from on-site training, logistical services and custom bill of materials to specialized design services

us before your project even begins. From site surveys, custom bill of materials, product recommendations, procurement and logistical management expertise, TVC, backed by years of successful deployments, will be the extra resource you need to get the project completed – on time and on budget.



Network Design Services

You do not need TVC to tell you without increased bandwidth capabilities new applications cannot be deployed. TVC can help you take full advantage of your network, both as it exists today and for preparing for future expansions, with the aim of increasing your revenues.

TVC's network design service professionals will help you navigate the latest applications and understand the technology driving these ventures, from simple VOD services to complex IP and Metro Ethernet applications.

TVC Design Services include:

- Backbone Transport Design – including solutions for Next Generation SONET/SDH, Ethernet over SONET/SDH (EoS), Ethernet (10, 40GbE), Wavelength Division Multiplexing (WDM), and Optical Transport Network (OTN).
- Access Network Design - for DOCSIS, FTTx (GePON, GPON, RFoG), Wireless and Point-to-Point applications.
- Outside Plant Design - including custom Underbridge designs, creating specific mechanical or topographic oriented designs.
- Customer Premise Network Design – meeting MoCA and HomePNA specific requirements.

Installation

TVC has a network of sub-contractors strategically located throughout North America, the Caribbean Islands and Mexico for large scale communication roll-outs and installations for VoIP, Data, Video (RF & IP) and Assembly services. With state of the art software and an infrastructure that allows for real time reporting, TVC provides complete turn-key service.



Continuing Monitoring and Service

Once new services, applications and technologies are deployed and operational, the service commitment from TVC does not stop. TVC provides full post-project launch services, including on-site network training, firmware and software upgrades, network status monitoring, and, most importantly, maintenance support. TVC's Technical Professionals will troubleshoot any residual issues, providing in-field service where applicable, and have full access and support from equipment manufacturing engineers.



United States

TVC Communications, the oldest continuing distributor of cable television products, started modestly in Lewistown, Pennsylvania in 1952. Since that time, TVC has grown into one of the largest distributors in the United States for today's converging telecommunications markets. Whether you use fiber optic cable, twisted pair or coaxial cable, TVC offers the



premier broadband service, solution and product provider in the united states

Associations

- SCTE
- NCTC
- BICSI
- AHECTA
- ACUTA
- IMSA

Supplier Partners

- AFL Telecommunications
- Antronix
- Belden
- Cisco
- CommScope
- Corning
- EXFO
- Klein Tools
- Marathon®
- MaxCell™
- Maclean Power Systems
- Motorola
- National Strand
- OFS
- PLP
- SeaChange
- Telect
- TE Connectivity
- Wirewerks

Office & Stocking Locations

- Annville, PA
- Middletown, PA
- Fullerton, CA
- Lewisville, TX

Web Sites

- www.tvcinc.com
- www.homenetworksupply.com

technical products and services to help you understand and meet your communication objectives. From small local systems and regional independent operators, to today's largest national cable operators, TVC provides evolving product lines and advanced technical services to our customers longer than any broadband product distributor in the United States.

Today, TVC Communications continues to expand not only our product and services offering to the broadband market, but we have greatly expanded our presence in the network construction markets of telephony, broadcast, wireless, municipalities and Federal Government, utility, airports, hospitals, and corporate and educational campuses.

Supported by over 500 manufacturers with over 50,000 products, TVC has what our customers need. From satellite installation and signal reception and processing; to sending, amplifying, powering, and splitting the signal; over aerial, terrestrial or underground plant; to termination at a customer premises, TVC supplies all the products and services needed to plan, construct and maintain our customer's entire network infrastructure.

With four primary regional distribution centers, supported by five divisional warehouses and complimented by WESCO's 400 branches, TVC can deliver any order from stock to any point in the continental United States in two days, keeping our customers on time and on budget.



TVC Canada, part of WESCO Distribution Canada LP, is the country's leading integrator and value added reseller, supplying the Cable, Telecom, Utility and Fiber Optic Construction industries with premium quality products and services.

We are a national company with stocking warehouses and sales offices located across Canada staffed by the industry's most knowledgeable and highly trained sales force.



largest broadband service and product supplier in canada

Our expertise in the areas of network design, engineering, product and materials management, operations, transportation and finance further support our commitment to total customer satisfaction.

Our Technical Services Group (TSG) through our in-country lab facility, located in Markham, Ontario, provides in and out of warranty product support to an extensive array of products. The TVC Canada TOOLS™ (TVC Ordering On-Line System) enables customers to streamline their procurement processes and reduce operating costs, thereby improving their bottom line.

TVC Canada boasts an extensive product offering, from fiber optic, copper and coax cable and construction products to outside plant network construction materials. From carrier-class Ethernet equipment solutions to products that allow service providers to deliver a full range of integrated voice, video and data services to their subscribers, TVC Canada has the products you need.

TVC Canada also proudly represents the BGI branded product line with a goal to provide the Cabled Broadband, CATV, Telecommunication, Broadcast and Satellite markets with high quality products and services at the best possible value.

TVC Canada, delivering products, knowledge, service and experience for over 20 years.



Associations

- BICSI
- CCSA
- SCTE
- UTC

Supplier Partners

- Alpha
- AFL Telecommunications
- Arris Solutions
- BGI
- Blonder Tongue
- CommScope
- Corning
- Emerson
- Hubbell Lenoir
- Lindsay
- Marathon®
- MaxCell™
- OFS
- Prysmian
- TE Connectivity
- Wirewerks

Office & Stocking Locations

- Calgary, AB
- Halifax, NS
- Montreal, QC
- Toronto, ON
- Vancouver, BC

Web Sites

- www.tvccanada.com
- www.bgi.ca

Caribbean & Latin America

TVC Caribbean and Latin America (CALA) is the region's leading solutions provider, supplying products and full system integration services. Based in Miami with an additional stocking facility in Mexico City and personnel in Bogota, Colombia and Sao Paulo, Brazil,



ip and new technology experts, export expertise and in-country support

TVC CALA is uniquely positioned to supply full turnkey services: from concept to custom bills of material, procurement and logistical services, to full project management capabilities.

TVC CALA's long standing relationship with premier manufacturers ensures you will have the right products for your projects. From simple CATV plant builds to complex DVB, IP and Ethernet rollouts, we help you deliver the latest technologies to your customers, increasing your revenue stream. If your unique project isn't neatly solved by an off-the-shelf product, TVC CALA's sales people



and IP engineers will work with you to provide a personalized solution, including custom software development.

Additional services include financing

and payment solutions for equipment, technology and systems integration projects; remote technical support, provided by multi-lingual call centers; and operational support.



To ensure your project continues to run smoothly after the launch, TVC provides full post sales and installation support, including product training, continuous monitoring and software upgrades.

TVC CALA, the fully integrated product and service solutions provider to the Caribbean and Latin America.

Associations

- SCTE
- BICSI
- Caribbean Cable and Telecommunications Association (CCTA)

Supplier Partners

- Allot
- Alphion
- Antronix
- Belden
- BigBand
- Cedar Point
- CommScope
- DLO
- Fujitsu
- GENBAND
- Harmonic
- Incognito
- Marathon®
- MaxCell™
- Motorola
- PeerApp
- Perftech
- SeaChange
- Verimatrix
- Zappware

Office & Stocking Locations

- Miami, FL
- Mexico City, Mexico
- Bogota, Colombia
- Sao Paulo, Brazil

Web Site

- www.tvclatinamerica.com

Vikimatic has been providing the utility construction market with top notch products and services since 1982. Our industry knowledge and high regard for customer satisfaction has positioned us as one of the industry's leading suppliers.



Vikimatic has developed strong relationships with some of the

aerial, underground, underbridge and fiber optic construction specialists

Associations

- BICSI
- PCCA
- AFCEA
- ACUTA
- AHECTA
- IMSA

Supplier Partners

- A-D Technologies
- American Polywater
- Armorcast
- Cantex
- Condux
- Corning
- Endot
- Flying W
- FRE Composites
- Hubbell Quazite
- JM Eagle
- Lamson Pipe
- Maclean Power Systems
- Marathon®
- MaxCell™
- OFS
- PLP
- PNA-API
- Premier Conduit
- Prime Conduit
- Prysmian
- TE Connectivity
- Underground Devices

Office & Stocking Locations

- Wadsworth, OH
- Chino, CA
- Lewisville, TX
- Parker, CO

Web Site

- www.vikimatic.com

hardest working customers in the industry – the contractors installing the materials we supply. Vikimatic is a “one stop shop” for delivering materials for every type of utility project. From long-haul applications to MDU subscriber drops, we are here to make sure our customers have the materials they need, when they need it.



our logistical expertise, will help streamline material shipments and keep your project on schedule.

Count on Vikimatic to be your supplier - and partner - for all of your utility projects.



With utility and underbridge construction specialists on staff, Vikimatic is able to help identify possible issues before they create problems for your budget and schedule. Our sales and stocking warehouses located across the United States, along with

White Sands Engineering

Since its inception in 1978, White Sands Engineering has grown to become one of the largest manufacturers of custom coaxial cable assemblies in the United States. White Sands provides cable assemblies for the cable television, satellite, broadcast, telecom,



the largest manufacturers of custom coaxial cable assemblies in the united states

home theater and security industries, as well as custom connectivity products for OEM and defense customers. Our broad product offering ranges from basic CATV jumpers to complex, custom-designed wiring harnesses.

Production Capabilities

- High volume jumper manufacturing on our automated lines, with capacity for over 20,000 jumpers per day
- Custom cable design, assembly and testing using mini RG59 and other cables and connectors
- Kitting and panel assembly to customer specifications
- Rack and Stack

Custom Products

- Mini RG59 Cable, Single and Multipack
- Mini RG59 Connectors, One-piece
- Headend Connectivity Products
- Cisco Cable Kits (10K uBR)
- Custom Cable Assemblies
- Custom Passive Panels
- Cable Modem Kits
- VoIP Kits
- Cable Installation Tools
- Broadcast Connectors (BNC, 1.0/2.3)

Office, Production & Stocking Location

- Phoenix, AZ

Web Site

- www.whitesandsengineering.com

White Sands also supplies customers with connectors, cables and tools for on-site assembly and produces custom panels. We are a proven market leader in kitting capabilities encompassing a wide range of products including self-install kits. The need for White Sands' developed line of one-piece, 75 Ohm, mini RG59 connectors has grown substantially and are widely used in CATV headends and broadcast installations.

While White Sands does stock many frequently used products, the knowledgeable staff at White Sands will work with individual customers to recommend, design and manufacture connectivity products for their unique application. White Sands' commitment to quality manufacturing coupled with our high-volume, quick turnaround production capability gives White Sands Engineering an advantage in delivering custom solutions.



Satellite Engineering Group

Satellite Engineering Group (SEG), a leading broadband supplier and integrator, delivers products and custom services to the CATV, broadcast and satellite marketplace. SEG's domestic and international distribution network positions them to partner with many of the key product and technology providers. SEG is a stocking distributor and Value Added Reseller (VAR) of Motorola, Cisco, Norsat, Ericsson, SeaChange, Harmonic and Prodelin as well as many other industry leaders.



since 1979 ... bringing service down to earth

Associations

- NAB
- SBE
- SMPTE
- AHECTA
- SCTE
- NCTC
- NRTC

Supplier Partners

- Adtec
- Blonder Tongue
- Cisco
- Drake
- Ericsson
- Harmonic
- Harris
- KTech Telecom
- Microwave Filter Company
- Motorola
- Norsat
- Pico Macom
- Prodelin
- Quintech
- Radiant
- Research Concepts
- Sencore
- Superior Satellite Engineering
- Tektronix
- Wade Antenna
- Wegener

Office & Stocking Location

- Olathe, KS

Web Site

- www.sateng.com

SEG also provides design and engineering for the integration, installation and maintenance of Satellite and Headend Networks. Additional services include Headend and System Pre-Fabrication, Satellite Antenna Farm Installation, CMTS Deployment, IPTV Transition, L-Band Transport and Digital Simulcast.

In addition to our staff of in-house sales and product experts, project engineers and professional customer service representatives, SEG has a network of over 550 sub-contractors strategically located throughout North America,



the Caribbean Islands and Mexico for large scale communication rollouts, upgrades and maintenance services. With state of the art software and an infrastructure that allows for real time reporting, SEG



provides turn-key services that other vendors simply cannot.

SEG. Since 1979, Bringing Service Down to Earth.



Marathon

As technology in the broadband market continues to evolve, one thing always remains the same – the need for high quality, cost-effective connectivity and hardware products to build, maintain and upgrade your physical plant.



marathon products - enduring quality, exceptional value

Specifications

- SCTE Compliant
- RoHS Compliant
- UL/CSA Listed
- ETL Listed
- HDMI Certified

Products

- Attenuators
- Cable Ties
- Directional Couplers
- Drill Bits
- First Aid Kits
- Grounding Hardware
- Guy Wire Hardware
- Lashing Wire
- Locking Terminators
- Passives
- Pedestals
- Pole Banding Products
- Pole Line Hardware
- Power Inserter
- Specialty Jumpers
- Splitters
- Weatherproofing

Web Site

- www.marathonbroadband.com

Marathon® broadband products are installed in thousands of telecommunications networks domestically and internationally. Drop passives, pedestals, hardware and tool accessories are just some of the wide range of products to choose from. Technical and buying experts alike have come to recognize the Marathon brand to be synonymous with a highly reliable product set that provides quality installation and performance at a superior value.

For many years, TVC has offered and stood behind the Marathon product portfolio. They have made significant investments in research, development and testing to ensure that products meet or exceed technical applications and industry standards, including SCTE and UL when applicable. Above all, they have made the most important investment of all - listening to our customers, learning what they need to meet their short and long-term objectives, delivering optimal solutions in a highly competitive marketplace.

The next time you have the need to build, upgrade or expand your telecommunications network, think Marathon broadband products.

Marathon Broadband Products...
Enduring Quality,
Exceptional Value.



MaxCell™ is the only flexible fabric innerduct system designed specifically for the network construction industry. The unique fabric construction allows MaxCell to conform to the shape of cables placed within, greatly reducing the wasted space associated with rigid innerduct.

Today's network owners and builders use MaxCell to increase their cable density by as much as 300%. Faced with the challenge of deploying new infrastructure while minimizing



More Space. More Productivity.

flexible, multi-celled fabric innerduct specifically designed for network construction

investment costs, using MaxCell will:

- Reduce the number of conduits required for new network construction
- Minimize the need for new conduit in network expansion projects
- Enable incremental cable deployment to match system requirements.



MaxCell is a versatile solution for the complex problems faced by today's engineers, contractors, and network providers. MaxCell configurations include one, two, three and four cell designs for use in 1.25" or larger conduits; and most are available in Standard, Plenum, and Detectable versions.



Over 200 million feet of MaxCell innerduct have been successfully installed around the globe in a variety of applications including:

- Cable TV
- Telecom
- Power/Utilities
- Municipalities
- University, Corporate, and Hospital campuses
- Military and Government installations.



MaxCell Saves Money:

- Reduces amount of duct space required by as much as 300%
- Reduces overall material costs
- Reduces installation time
- Reduces freight, handling and storage costs up to 700%

MaxCell Meets Your Needs

- Standard, Detectable, Riser & Plenum versions
- Multiple product configurations
- Accepts cables up to 1.37" OD
- Standard and custom lengths

MaxCell is Durable

- Tensile strength exceeds 2500 lbs.
- Melting point of 480°, twice that of HDPE
- Resistant to ground chemicals and petroleum products
- Unaffected by mud, silt or debris after placement of cable

MaxCell is Easy to Use

- No reel memory and will not spiral when installed with a swivel
- Designed to work with standard cable reel carriers
- Pre-lubricated for lower friction during product and cable installation
- Pre-installed color coded pull tapes for quick identification

Web Site

- www.maxcellinnerduct.com

From Signal Origination to Termination,



TVC Delivers Products and Services



Headend/Central Office

Every service-oriented communication system has a central point where a complex set of equipment is used to obtain, process and send out the video, voice and data streams to customer premises and business end users. Today's Headends or Central Office locations are faced with even more complex requirements such as Ad Insertion, EAS, Internet Protocol, Aggregation, Multiplexing, Voice and Video-On-Demand, over digital networks. Supplying the electronic equipment and the physical racks, power distribution,

headend or central office, every system has a starting point

connectors, jumpers, and cable management required, TVC provides all the products and services for Signal Origination Management.

Applications & Solutions:

- Signal Processing: Reception, Demodulation, Modulation and Amplification
- Fiber Optic conversion of RF to light and subsequent transmission
- Digital Voice Processing: PacketCable, Multimedia, VoIP and SIP
- Video-On-Demand
- Internet Service/High Speed Data
- Emergency Alert warning notification and public announcements
- Commercial Advertisement Insertion
- Test and Measurement: Analysis and qualification of signal and equipment performance



products

- Amplifiers
- Antennas
- Cable Management
- CMTS
- Coaxial Cable & Jumpers
- Combiners
- Connectors
- Copper Termination
- Demodulators
- Digital Encoders
- Digital Transcoders
- Earth Station Antennas
- EPON
- Fiber Cable & Jumpers
- Fiber Electronics
- Fiber Termination
- Filters
- Fuse Panels
- GPON
- Grounding
- IP Networking
- Lasers
- Media Gateways
- Metro Ethernet
- Mini-Coaxial Cable
- Modulators
- Multiplexers
- Network Analyzers & Monitors
- Noise Reducers
- Processors
- Provisioning Software
- QAM Modulators
- Racks
- Satellite Dishes
- Satellite Receivers
- Session Border Controller
- Signal Generators
- Signal Level Meters
- Software Maintenance
- Spectrum Analyzers
- Subscriber Management Software
- Surge Protection
- Transcoders
- Transmitters & Receivers
- UPS
- Upconverters
- Video On Demand Services
- Voice over IP
- WDM Systems
- Bud Industries
- Cisco
- CommScope
- DLO
- Emerson Network Power
- FibroLAN
- Fujitsu
- GENBAND
- Harmonic
- Holland
- Incognito
- Intraway
- K-Tech
- Lindsay
- Microwave Filter
- Motorola
- Norsat
- Olson Technology
- Patriot
- PeerApp
- Perftech
- Prodelin
- Radiant
- R.L. Drake
- Sitco
- Telco Systems
- Telect
- Tripp Lite
- Verimatrix
- White Sands Engineering
- Xintekvideo
- X-Mark

suppliers

- ADC
- AFL
- Allot
- Alphion
- APC
- Arris
- Belden
- Big Band
- Blonder Tongue

Transport & Access

Transport and Access encompasses all the products that carry, power, amplify and distribute a service provider's signal to customer premises. Fiber and Copper cable are the primary cables used to carry signal. There are also different types of products used for ensuring that a strong signal is being sent and distributed in different environments and geographies. Signals often begin at a headend, traveling on trunk lines to initial branching points. Down the line, signals are split onto smaller and smaller branch lines until their final arrival at a customer premises and business end users.

the middle of the plant is changing rapidly as services to the subscriber are expanding

Today's transport and access areas of the system are changing rapidly. Increased bandwidth requirements stemming from additional services and channel offerings are requiring service providers to place more amplifiers along the branch system as well as pushing distribution nodes closer to smaller numbers of clustered subscribers.



In addition to increased service offerings, many service providers are making decisions to change their signal carrier lines from copper to fiber. This fundamental change in system architecture will have a considerable impact on the products used in tomorrow's networks.

Applications:

- Cable Splicing
- Coaxial & Fiber Cabling
- Hardline Connectorization
- RF/Fiber Optic Conversion
- Signal Amplification
- Signal Distribution
- Stand-by Power
- Test & Measurement
- Weather Protection



products

- Amplifiers
- Attenuator Pads
- Directional Couplers
- EPON
- Equalizers
- Fiber Electronics
- Fiber Optic Cable
- FTTx
- Fusion Splicers
- GPON
- Grounding
- Hardline Connectors
- Heat Shrink
- Line Equalizers
- Mini-Nodes
- MultiTaps
- Node Service Cables
- Nodes
- Power Inserters
- Power Supplies
- Receivers
- RFoG
- Splice Closures
- Splitters
- Standby Power
- Test & Measurement
- Transponders
- Trunk/Distribution Actives
- Trunk/Distribution Coax Cable
- Waterproofing

suppliers

- 3M
- AFL
- Alpha
- Arris
- Antronix
- Cable Prep
- Cisco
- CommScope
- Corning
- Draka
- DSG Canusa
- Electroline
- Fiberdyne Labs
- Fitel
- Hitachi Telecom
- Lemco
- Lightel
- Motorola
- Myers Power Products
- Noyes
- OFS
- Preformed Line Products
- Prysmian
- Ripley/Cablematic
- Superior Essex
- Tempo
- Trilithic
- TE Connectivity
- Wirewerks

Underground

Cables carrying signals from an originating office to a customer premises and businesses travel by suspended aerial plant or in underground plant. Underground plant includes a vast array of different types of conduit, rigid or fabric innerduct; larger concrete vaults; smaller concrete or polymer handholes; and, required grounding materials. Municipalities continue to pass legislation limiting, reducing or eliminating utility pole construction, forcing utility lines underground. TVC offers every product needed for

underground products for every application in any environment

underground plant construction in any environment, for every application.

Almost all underground plant construction requires some level of trenching, vault excavations and municipal permits for installations. TVC's Vikimatic division has

supported underground projects for over thirty years, but has also pioneered innovative technologies, including MaxCell™, to reduce required channel size and in some cases eliminate the need for additional channel in overbuild projects altogether.

Regardless if the application is simple direct burial of fiber, a long multiple conduit installation in a large city or even river crossing or road boring, TVC has what you need.

Applications include:

- Boring
- Cable Co-Location
- Cable Installation
- Cable Junction & Access Location
- Cable Locating/Marking
- Cable Splicing
- Conduit, Trenching & Installation
- Direct Burial of Cable
- Grounding



products

- Bridge Hangers
- Cable Blowers
- Cable Cutters
- Cable Guides
- Capstans
- Conduit
- Cut Steel
- Fittings & Accessories
- Innerduct
- MaxCell™
- MultiCell
- Quad-Loc
- Pull Boxes
- Pull Tape and Rope
- Pulling Eyes & Harnesses
- Pulling Lubricants
- Steel Pipe
- Utility Duct
- Vaults & Handholes

suppliers

- 3M
- A-D Technologies
- American Pipe & Plastics
- American Polywater
- Armorcast
- Cantex
- Condux
- Erin Rope
- Etco
- Hubbell Quazite
- JM Eagle
- Marathon®
- MaxCell™
- Neptco
- Newbasis
- PenCell
- Preformed Line Products
- TE Connectivity
- Vikimatic

Cables carrying signals from an originating office to a customer premises and businesses travel either on aerial or within underground plant. Aerial plant includes strand and lashing wire, guy wire, anchors and hundreds of different types of mounting hardware. While urban municipalities continue to force utility plant underground, aerial plant continues to be a significant technique used for cable deployments.

aerial is the last critical step before the subscriber premises

Additional services continue to often require overbuilds making quality strand and lashing products imperative for maintaining signal in today's market.

TVC has a long standing reputation as the best supplier of aerial plant products in the communications industry. TVC works with only the highest regarded manufacturers in the industry to keep our customers' critically important aerial network secure.



Applications include:

- Anchoring
- Cable Lashing to Strand
- Cable Mounting
- Cable Splicing
- Grounding
- Guy Wire Protection
- Slack Management
- Strand Installation
- Underbridge Plant
- Weatherproofing



products

- Anchors
- Arms & Braces for Poles
- Bolts & Nuts
- Bonding & Grounding Products
- Brackets
- Cable Lashing Products
- Cable Trailers
- Deadends/Splices
- Drilling Products
- Ground Rods
- Grounding Wire & Hardware
- Guy Guards
- Guy Hardware
- Hand Tools
- Heatshrink
- Ladders
- Lashing Wire & Clamps
- Pedestals

- Poleline Hardware
- Power Tools
- Strand
- Straps & Spacers

suppliers

- Belden
- Channell
- Fibertek
- Forte Plastics
- GMP
- Klein Tools
- Jameson
- Lemco
- Marathon®
- Maclean Power Systems
- National Strand
- Panduit
- Preformed Line Products
- Thomas & Betts
- Werner Ladder
- Zapp

Customer Premises

At the end of most communication networks is a customer or business receiving services the network is providing. Different markets have diverse environments that make the scale of service and broadband requirements vary. On one end of the scale are single dwellings. On the other end, small and large businesses, university dorms, apartment buildings, military barracks, hotels and hospitals offer a subscriber applications on a much larger scale.

customer premises is your interface to the subscriber

Regardless of size, premises applications have one thing in common: reception of a signal and splitting it to various end-of-the-line reception points which often include computers, tablets, phones, set-top boxes and televisions.

Applications:

- Cable Drops
- Cable Management
- Connectorization
- Drop Hardware
- Ethernet Services
- Fiber to the Home/
Premises
- Grounding
- HDTV
- Network Interfacing
- Plenum & Riser
Rated Cabling and
Duct
- Signal Amplification
- Splitting & Splicing
- Test & Measurement
- Voice over IP
- Weatherproofing
- WIFI networking



products

- Amplifiers
- Cable Assemblies
- Cable Identifiers
- Cable Modems, eMTA
- Coaxial Drop Cable
- Connectors
- Digital Set Top Boxes
- Direct Broadcast
Satellite
- Directional Couplers
- Drop Amplifiers
- Drop Hardware
- Drop Passives
- Enclosures
- Ethernet
- Filters & Traps
- Grounding
- Heatshrink
- Locks
- MoCA
- NIDS
- ONT/ONU
- RFoG
- Specialty Jumpers &
Cords
- Splitters
- Test & Measurement
Equipment
- Tools
- Twisted Pair
- Wall Plates
- WIFI Routers

suppliers

- AFL
- Antronix
- Arris
- Belden
- Cable Prep
- Channell
- Cisco
- Coleman Cable
- CommScope
- Electroline
- Erico
- FibroLAN
- Forte Plastics
- Fujitsu
- Gilbert
- Hellerman Tyton
- Holland Electronics
- Klein Tools
- Marathon®
- Motorola
- OFS
- Panduit
- Ripley/Cablematic
- Senior Industries
- Steren
- Suttle
- TII Networks
- Telco Systems
- Telect
- TE Connectivity
- White Sands Engineering

Test Equipment

Virtually every aspect of any communications network requires constant performance monitoring and occasional trouble shooting. The different requirements of CATV/RF, Fiber Optic/FTTx, VoIP, Network and Metro Ethernet, Electrical/Voltage and Satellite signal monitoring and testing demand high performance lab and field test equipment. TVC works with the best suppliers in the world to bring the most up-to-date, state-of-the-art gear to our customers.

system testing and verification to ensure your service level agreements

products

- Batteries
- Butt Sets
- Cable Fault Locators
- Calibrators
- Continuity Testers/Line Toners
- CWDM/DWDM Test
- Digital Multimeters
- Ethernet Test
- Fiber Identifiers & Fault Locators
- Fiber Optic Connector Inspection Scopes & Cleaning Supplies
- Fusion Splicers
- Leakage Detectors
- Metro Ethernet Test
- MPEG Analyzers
- Network Analyzers
- Optical Power
- OTDRs
- Signal Generators
- Signal Level Meters
- Spectrum Analyzers
- Twisted Pair/ VoIP Testers
- Visual Fault Finders
- VoIP Test

suppliers

- 3M/Dynatel
- AEA Technology
- AFL/Noyes
- Amprobe
- Anritsu
- Applied Instruments
- Corning
- EXFO
- Fitel
- Fluke
- Fluke Networks
- Greenlee
- Ideal
- JDSU
- Kathrein
- Klein Tools
- Lightel
- Megger
- Sadelco
- Sencore
- Spirent
- Sumitomo
- Tempo
- Trilithic XFTP
- Triplet

Applications:

- Calibration
- Fiber Optic Fusion Splicing
- Line Marking
- Metallic & Optical Time Domain Reflectometry
- Mobile Cellular Backhaul
- Network Verification, Calibration & Certification
- Power Fault Detection & Locating
- RF Signal Monitoring
- Leakage Detection & Cable Locating/Signal Fault Detection
- Signal Security
- Termination
- Fiber Optic Connector Inspection & Cleaning
- CWDM/DWDM
- Metro Ethernet
- VoIP Deployment, Installation & Maintenance



Tools & Safety

Building and expanding any communication network requires many tools for construction and continuous maintenance that are not fixed assets of the network itself. These products range from hand tools like screwdrivers, wrenches, power drills and ladders and include important safety gear for pole line installation, traffic safety and signage. TVC provides a large assortment of cable preparation tools for office and field installations. With several significant manufacturers in the market, cable preparation

the right tools and safety equipment to complete the project

products

- Bolt & Cable Cutters
- Boots
- Cable Lashers
- Cable Preparation Tools
- Climbing Belts, Gaffs/Pads
- Continuity Testers/Toners
- Drills & Drill Bits
- First Aid Kits
- Hammers & Screwdrivers
- Hand Tools
- Harnesses & Lanyards
- High Voltage Gloves
- Highway Safety Equipment
- Knives
- Ladders
- Markers
- Marking Tapes/Paint
- Nut Drivers
- Pliers & Wire Cutters
- Safety Equipment
- Saws
- Security Tools
- Service Cable
- Staple Guns
- Terminating Tools
- Tool Bags

- Tool Kits
- Torches
- Traffic Cones
- Work Gloves
- Wrenches

suppliers

- Arrow
- Bashlin
- Black & Decker
- Cable Prep
- Carolina Boots
- Dewalt
- Holland
- ICM Corp
- Irwin Tools
- Jameson
- Klein Tools
- Labor Saving Device
- Louisville Ladder
- Makita
- Marathon®
- Milwaukee
- Paladin Tools
- Progressive Electronics
- Quantek
- Sargent
- Union Tools
- Werner Ladder
- Wilcom
- Work Area Protection

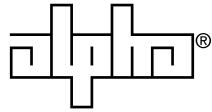
tools are often selected based solely on a customer's choice of continuity in their field equipment. Because of this, TVC's cable preparation tool stock is significant with multiple variations of similar equipment to meet our customers' preferences.

Applications:

- Cable Preparation
- Climbing
- Line Marking
- Pole Line Hardware Installation
- Signal Security
- Site Cleanup
- Stapling
- Termination
- Traffic Safety & Protection
- Trenching
- Weatherproofing



Suppliers



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