


Pre-pack Headend Systems Custom Headend Design and Assembly Services

Service Description

Today's headend is the cable system's most strategic asset. For cable operators headend system reliability, effective resource management, and optimal performance are essential in today's competitive environment. For equipment distributors, construction personnel, and installation firms timely delivery of working components and accessories is essential to meeting contractual obligations and operator satisfaction. Pre-pack headend systems from Cabletronix ensures these expectations are met through our custom design and assembly services.

- Complete headend design, assembly and test of Cabletronix and/or 3rd party equipment.
 - Complete headend system design against operator specs. All designs are documented.
 - Equipment layout and racking in an organized fashion to ensure maximum ventilation and ease of maintenance.
 - Highest quality shielded RF cable and connectors are used. All cables are multi-shielded against unwanted signal ingress and egress. Cables are color coded for easy interconnections and maintenance. All cables are arranged in a professional manner for ease of identification and system maintenance.
 - All "F" and RCA connections are 360° radially crimped for maximum efficiency. No adapters are used to eliminate the chance of connector fatigue.
 - All connectors meet SCTE-IPS and Bellcore specifications.
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- Complete headend is labeled, including all cables, multi-switches, modulators, demodulators, combiners, receivers, and other components.
 - All channels are balanced against operator specifications followed by complete headend 24-hour burn-in and channel re-balancing.
 - Entire headend is subjected to the CT3025 vibration test followed by channel re-balancing if necessary.
 - Complete system documentation, including:
 - Serial numbers for each component
 - All instructions and warranty information for each piece of equipment
 - Balancing verification data including (a) each channel's RF output level after the combiner, and (b) each channel's individual audio and video RF level after the combiner.
 - Digital photograph printouts of the front and rear of each rack.
 - Blank test log sheets for recording regular signal level readings.



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Features and Benefits

- Completed systems are ready for shipment within 72 hours* after order saving construction firms and installers considerable time, money, and effort associated with purchasing individual components and accessories.
- Each headend is designed and built against an operator’s given specification for each individual site. Each pre-pack is treated as a custom project.
- In-house pre-pack processes from design through test ensure more reliable and cost competitive deployments over on-site builds.
- Structured design, extensive testing, and thorough documentation ensure system performance and integrity both at the component and system levels.
- Systems are shipped for “turn-key” installation thereby saving construction firms and installers significant time and expense.

Headend Checklist

Headend Equipment

Racks and Rack Screws
 Combiners
 Launch Amplifiers
 Multi-switches
 Satellite Signal Processors
 LNB Power Suppliers
 Power Strips
 Surge Protection
 Uninterruptable Power Supplies
 Rack Grounding Materials
 Blank Rack Panels
 Terminators
 Multi-shield RG-59 Cable
 Multi-shield RG-59 “F” Connectors
 Multi-shield RG-59 RCA Male Connectors
 Satellite Dishes
 LNBS
 Off-Air Antenna
 Character Generator
 Back-up Modulator
 Cable ties and labels
 Scrambling and Descrambling Equipment
 Spectrum Analyzer and Signal Level Meter
 Fans
 Caster Bases for Racks
 All Necessary Tools

Off-Air Channels

Demodulators and Modulators
 Power Supplies and Rack Chassis
 Processors, Strip Amps, Band Pass Filters
 Converters

Satellite Channels

Receivers and Modulators
 Shelves
 Power Supplies and Rack Chassis

**72 hour turnaround for standard systems using stocking components.*

All headends are wrapped in plastic, packed in a single or double wooden crate, and secured for complete protection during shipping. Contact a North American Cable Equipment, Inc. sales engineer for a pre-pack headend quote and pricing for headend crating and shipping.