



COMSTAR SUPPLY
POWERED BY USTC



ON THE CUTTING EDGE *TO GIVE YOU THE EDGE*

Your leading one-stop shop for all materials, distribution, and supply chain management solutions supporting the telecommunications and broadband industry. We're more than a distributor, we're your trusted partner for technical and logistics expertise. From the headend to the home, we've got you covered. All In One. All For Your Network.

HFC Drop Installation Product Guide

ustc-corp.com | 1-833-USTC-CORP

ONE STOP SHOP

ONE ON ONE CONNECTIONS



CUSTOMIZED FOR YOU

We believe that customers deserve customization. With flexible delivery models, a plug-and-play approach, and modular set of value-added services, we're your trusted partner to support your business needs from basic procurement to supply chain management, and everything in between. Call 1-833-USTC-CORP and we'll create a customized solution to streamline your needs.

THE MATERIALS YOU NEED

We supply the products, materials, state-of-the-art tools and test equipment from the largest top-quality manufacturers for telecommunications providers, tier 1, 2, and 3 cable operators, rural utility providers, electric cooperatives, and contractors. From the headend to the home, we've got you covered with clamp meters, underground vaults & pedestals, raceway, stripping tools, drop connectors, RG6, RG59, RG11, terminators, adaptors, splitters, taps, amplifiers, and anything you need for the network.

THE RELIABILITY YOU WANT

You can count on us. Our timely focus will support your critical projects and operations, so you can focus on building, maintaining, and growing the network.

SAVE TIME


Our technical and logistics expertise, and our utilization of supply chain technologies help simplify and optimize your operations, allowing you to focus on your business knowing the supply chain is well managed.

SAVE MONEY

Our scale and expertise translate into significant operating and purchase cost benefits for our customers, letting you focus on helping your subscribers connect to the people and things they love.

PART OF THE ETC GROUP FAMILY

USTC Corp is the leading one-stop shop for all materials, distribution, and supply chain management solutions for telecommunications, HFC, FTTH, FTTx, wireless, 5G/mobile, and data center technologies with global presence across 13 countries as part of ETC Group. Founded in 1993 by Cédric Varasteh, ETC Group now supports over 14,000 customers worldwide, giving us the unique advantage of global purchasing power that helps drive costs down for our customers. Walker, Comstar Supply, and Multicom were acquired by USTC Corp and together the Group has 13 distribution locations across the U.S. With a comprehensive portfolio of 55,000+ state-of-the-art products from nearly 1,000 industry-leading suppliers, and best-in-class logistics solutions, we support thousands of carriers' full range of products and solutions for seamless delivery of high-speed Internet, Video, Data, and Voice Services to Residential, Business, and Mobile Users.



YOUR GO-TO *TO GET THINGS DONE*

From the Distribution Network to the Customer Premises, we have you covered with everything needed for HFC deployment. We carry products and materials from nearly 1,000 global sourcing and supply partners, including

COMMSCOPE®

ANTRONIX®

Amphenol 
Broadband Solutions®

CablePrep®

 PPC®
A BELDEN BRAND


CHANNELL

ALLIED
BOLT®
PRODUCTS, LLC

CORNING

 dura·line

effigis 
GEO SOLUTIONS

CABLETEK
WIRING PRODUCTS, INC.
PH: 800-562-9378 WWW.CABLE-TEK.COM

 JONARD TOOLS®

 KrisTech

 MacLean™
NETWORK SOLUTIONS

 NCM
SOLUTIONS

 PLP®

 HUBBELL

VI·AVI

 RIPLEY®

 Steren

ARCOM

VeEX
The Verification Experts

 ATX

INDOOR PASSIVES

With hundreds of splitters available for minimal insertion loss and optimized output return loss along with high port-to-port isolation, we have a variety of configurations including: 2, 3, 4, and 8-Way; Balanced, and Unbalanced; with horizontal and vertical formats; 1 & 1.2 GHz options, and MoCA splitters available.

2-Way



3-Way



4-Way



8-Way



USTC DESIGNED & MANUFACTURED

Key Features:

- Meets ANSI/SCTE standards
- 6kV surge protection
- Superior contact area on "F" port to provide enhanced cable retention

Wall Plates



We supply a variety of wall plate options, including: 1 or 2 holes, and blank plates

Key Features:

- High performance F81 splice
- Bandwidth: 1 GHz & 1.2 GHz
- High impact resistant
- Colors: White & Ivory

MoCA Splitters



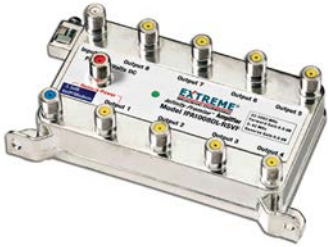
Key Features:

- 1.6 GHz performances
- Low legacy signal loss
- Excellent out of band rejection
- 6 kV surge protection

INDOOR ACTIVES

We offer amplifiers with Forward, Reverse, and Bi-Directional path options; 1, 4, 8, 12 Ports Output Configurations; with Gain options: Unity, 10 dB and 15 dB; and up to 1.2 GHz.

Drop Amplifier



Mini Drop Amplifier



Indoor Power Inserter



Key Features:

- Meets ANSI/SCTE standards
- 6 kV surge protection
- Passive VoIP port available on some models
- Various diplexer options: 5-42 MHz and 5-65 MHz

CPE RFoG

Key Features:

- Meets ANSI/SCTE 174 RFoG standard
- Various bandwidth options:
 - Upstream: 5-42 MHz, 5-65 MHz
 - Downstream: Up to 1.2 GHz
- PON Pass Through option
- Wavelengths available: 1310 nm and 1610 nm
- Indoor and outdoor options available



OUTDOOR PASSIVES

With over 100 Taps available, we've got you covered with all of your drop installation needs, including:

- SA/Cisco
- ARRIS/Regal
- GI/Motorola
- Philips/Magnavox
- ANTRONIX /Milenium
- Power tap option
- 2, 4, 8 ports faceplate models
- 1, 1.2, and 1.8 GHz bandwidth with the option to support DOCSIS 3.1
- 4 to 32 dB attenuation
- Narrow and widebody housing
- PIM conditioning option
- Reverse window option
- Fully ANSI/SCTE compliant

SA/CISCO



GI/MOTOROLA



REGAL/ARRIS



MILENIUM/ANTRONIX



PHILIPS/MAGNAVOX



Key Features:

- Factory installed power passing bar for uninterrupted service when faceplate is removed
- Aluminum alloy housing
- 6kV Surge protection
- Tap dB identification along with signal flow is labeled and easily identifiable
- Aerial and pedestal installation applications

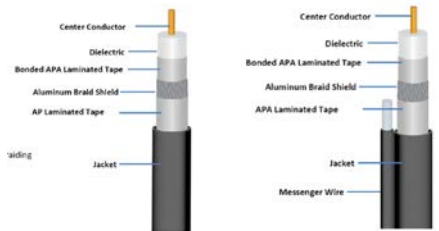
DROP COAXIAL CABLE

With many variations of coaxial cable available, we cover all of your drop installation needs. RG6, RG59, and RG11 series cable; Dual-Shield, Tri-Shield, and Quad-Shield; Single, Messengered, Siamese, and Siamese Messengered; PVC, and PE; Aerial and underground options are fully ANSI/SCTE compliant; and option for Cable In Conduit (CIC) is available as well.

Key Features:

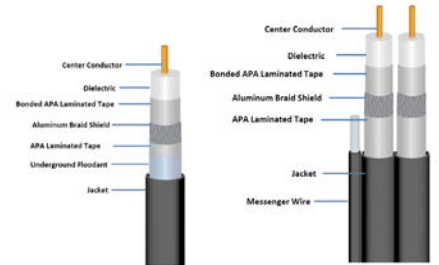
- Available in a wide range of braid coverage (Tri-shield 77%, Dual-shield 95%, Quad-shield 95%/95%)
- Flame retardant NEC compliant (CATV, CATVR, CATP)
- Flooding compound for moisture protection in buried applications
- Regular or with specific corrosion protection options available
- Easy preparation due to bonding construction

RG6



Tri-Shield, 77% Braid
Indoor & Outdoor available
75 Ω

Tri-Shield, 77% Braid
0.051" Messenger
75 Ω



Tri-Shield, 77% Braid,
Flooded
75 Ω

Dual Tri-Shield, 77% Braid,
0.051" Messenger
75 Ω



Cable In Conduit
13mm, Flooded
75 Ω

RG59



Quad-Shield
Indoor
75 Ω



Mini-Series
Bundle Headend Cable
75 Ω

RG11



Quad-Shield
Indoor, Plenum
75 Ω



Messenger
75 Ω



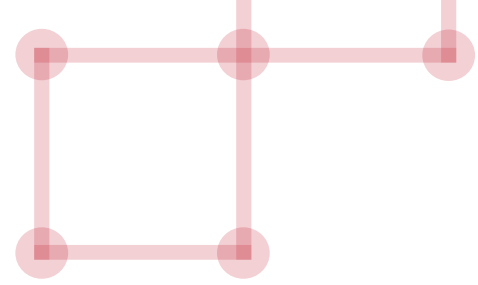
Flooded Underground
PE Jacket
75 Ω



Flooded Underground
PE Jacket
75 Ω



DROP CONNECTIVITY



Drop Connectors: RG6, RG59, RG11 Series



Key Features:

- Compression connectors come in standard or continuity versions
- All connectors meet ANSI/SCTE standard
- Compatible with most compression tools
- Continuity version is ideal for self-install kits, reducing truck rolls
- Composed of metallic or mixed design (metallic with plastic)

Ground Block



Key Features:

- Meets SCTE standard
- Exceptional moisture protection
- UL listed
- Options with or without weather seals available
- Superior corrosion resistance

Adapters



F81 Splice:

- Meets SCTE standard
- Short and long version available

Right Angle Adapter

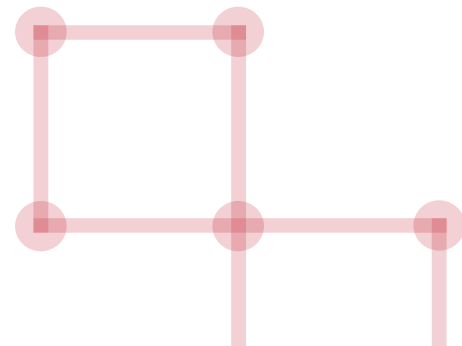


Terminators



Key Features:

- Standard or locking terminators available
- Options for with or without resistor available
- Prevents signal ingress and egress
- Reduces water migration into open ports



DROP & INSTALLATION

Offering all necessary varieties of drop connectivity to ensure optimal signal level window for CPE devices to operate properly, we're your go-to to get things done.

Filters



Key Features:

- High Pass, Low Pass, Tier Trap, and MoCA options available
- Meets ANSI/SCTE standards
- Various frequency available
- 1-1.2 GHz; 6 kV surge protection
- Low loss and high rejection
- Excellent out of band rejection for MoCA

Attenuators



Key Features:

- Meets ANSI/SCTE standards
- 1-1.2 GHz; 6 kV surge protection
- Various path attenuation and frequency band (Fixed, Forward and Return) options available

Feed-Through Bushing



Key Features:

- Impact and UV resistant
- Color Options: Black, Clear, and Ivory

Coaxial Cable Assemblies



RG6 Tri-Shield 77% with Continuity Connectors

Key Features:

- Available with HDMI and covered cable kitting
- Options available with and without simplex torque sleeves
- Meets ANSI/SCTE standards
- Length available: 3 and 6 feet
- The continuity connector option is ideal for self-installations and reduction of truck rolls
- Simplex sleeve allows for a greater torque during hand tightening

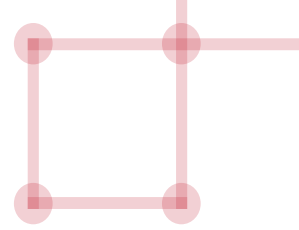
Network Interface Device



Key Features:

- Weather-resistant thermoplastic housing
- Open-ended accessible cable ports for fast and easy installation
- Provides a safe and secure compartment to terminate coaxial cables and drop components

COPPER & INSTALLATION



We offer all materials and products needed to support the customer handoff and CPE connection.

Copper Cable

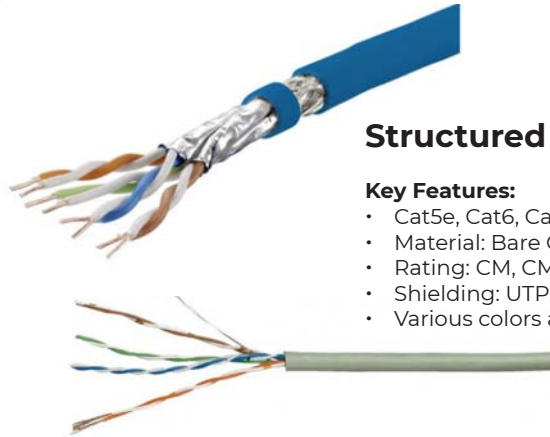


Ground Wire

Key Features:

- 12TW & 14TW available
- Solid copper
- Power applications up to 600 volts
- Installation in conduit and ducts
- Operates in wet and dry conditions
- PVC insulated

Structured Cabling



Key Features:

- Cat5e, Cat6, Cat6a Cables
- Material: Bare Copper or CCA
- Rating: CM, CMR, CMP
- Shielding: UTP, F/UTP
- Various colors and lengths available



Flat Modular Telephone Cable

Key Features:

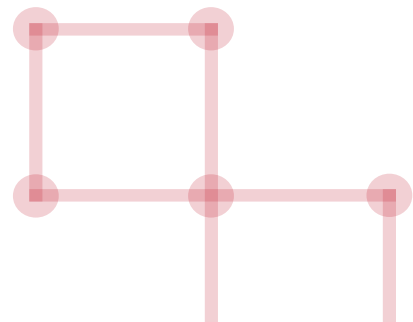
- Suitable for telephone and VoIP applications
- PVC jacket with 26 AWG stranded conductors
- UL listed

Audio Video Cables

HDMI Cable

Key Features:

- Available with covered cable kitting
- HDMI high-speed works with or without ethernet
- PVC jacket
- Solid wire
- Gold-plated (shell & contact)
- 28 AWG & 30 AWG
- Various lengths available



HARDWARE

For home or business installations, we've got you covered with all of your hardware needs.

Drop Hardware

Multi Drop Span Clamp



Universal Messenger Wire Clamp



CATV Drop Wire Clamp



Drive Ring
1/2"



Hook P Wrenchable
6 1/2"



Poleline Hardware

U-Cable Guard Clamp
3/4 x 1 1/8"



Hook J Drive, Rolled Fetter Drive Threads



Galvanized U-Cable Guard
1 1/8" X 8'



Grounding

Galvanized Ground Strap



Copper Ground Strap
6 1/2"



Bronze Pipe Clamp
1/2"-1"



Meter Box Clamp, Wide Lip



Bronze Vise Type Clamp



Connector Split Bolt



Ground Rod 5/8" X 8' Copper Bonded UL



Wall Anchors

Drive Pin 1/4" X 1 1/2"



Plastic Anchor Kit

Including Plastic Anchors (100)
#10 x 1" slot hex tapping screw (100),
1/4" x 4" masonry drill bit (1)



TEST & MEASUREMENT

Time Domain Reflectometer



VIAVI Lab-Grade DSP TDR - Rugged Hand-Held Time Domain Reflectometer

Key Features:

- Events list instantly viewable from function menu
- “Step” technology for higher precision over entire cable length
- Features fast, complete, and precise measurements without blind spots, and has a long battery life

Application:

- Precisely locates cable faults or breaks to get service back online as soon as possible
- Eliminates unnecessary span replacements by pinpointing cable problems enabling efficient splicing

Home Leakage



VIAVI Seeker HL Leakage Companion Kit for ONX and DSP Series Meters

Key Features:

- Finds points of potential ingress, even when ambient ingress source is currently not present
- Finds leaks that may interfere with other over-the-air services within the home
- Troubleshoots home coaxial network issues quickly, without trial-and-error process

Home Leakage



Effigis C-PAT Portable Leakage Detector DRV3 Lite; Digital Signal Generator DSG1 Lite

Key Features:

- Cost-effective dual-band leakage meter and signal generator
- Advanced in-home shielding integrity testing (pressure test/system test)
- Frequency-agile in the mid-band (118 to 140 MHz) and LTE-band (600 to 860 MHz)
- Advanced in-home shielding integrity testing
- Audible squelch increases as you move closer to the leakage event
- Real-time RF level display of dual-frequencies in split-screen

CATV Meter



VIAVI OneExpert DSP-220 Installation/Service Meter

Key Features:

- AutoChannel™: instantaneous channel lineup detection eliminates need for lineup editing, updating and deploying
- OneCheck comprehensive mistake-proof automated tests, including:
 - Ingress, downstream channels
 - DOCSIS carriers at three demarcation points (Tap, GB, CPE)
- DOCSIS check real-time analysis and powerful DOCSIS carrier and data service troubleshooting; upstream and/or downstream
- DQI (Digital Quality Index) focuses on raw information condition on the physical path, immediately detects intermittent and sustained issues within the stream
- Troubleshoot service issues between the Tap, Ground Block and CPE
- Identify and fix intermittent issues related to QAM and OFDM carriers and the home network
- Verify Wi-Fi signal strength, availability, and performance of 2.4 GHz and 5 GHz networks

CATV Meter



VeEx CX310

Key Features:

- True DOCSIS 3.1 / 32x8 Cable Modem
- Frequency range from 5 to 1218 MHz
- DOCSIS 3.1 cable modem with true OFDM analysis
- Key SLM features include fast VeCheck full band scan and single channel QAM analysis
- MER and Pre/Post BER measurements of QAM carriers
- Analog video level measurements; Return Path and Forward Path Ingress ccan
- Low-Cost meter suitable for every installation technician
- Lightweight and ultra-portable

Digital Multimeter



SEFRAM 7221 Digital Multimeter – TRMS AC, 6000 Counts, Bluetooth and Datalogger

Key Features:

- Voltage measurement up to 1000V TRMS AC and 1000V DC
- Measurement of low impedance voltages (LoZ)
- Current measurement up to 10A
- Safety: 600V CAT IV and 1000V CAT III
- Frequency, resistance and capacity measurement
- Continuity with buzzer; Volt Sense function
- Bluetooth® & Datalogger; Android App and iOS App

LED Voltage & Continuity Tester



SEFRAM 40 Voltage and Continuity LED Tester

Key Features:

- Can measure voltages up to 690 V
- AC voltage measurement
- DC voltage measurement
- Unipolar phase detection
- Measure of continuity
- Automatic, compact, and reliable

Digital Clamp Meters



USTC DESIGNED & MANUFACTURED

USTC Corp Digital Clamp Meter

Key Features:

- Measures up to 600V AC/DC
- Non-contact voltage function (NCV)
- Auto/Manual ranging
- Safety: CATIII 600V
- ETL approved

SEFRAM SP297B All-In-One Flexible AC Current Probe Meter 30/300/3000A with Bluetooth Interface

Key Features:

- SP297B: 254mm flex 100mm diameter loop approx.
- 10,000 count LCD dual digital backlight display
- Fully automatic measuring:
 - Current up to 3000 A AC
 - Voltage up to 1000 V AC/DC
 - Frequency up to 10 kHz
 - Resistance up to 10 kΩ
- Continuity with buzzer
- Safety: 600V CAT IV and 1000V CAT III
- Diameter: 10cm



TOOLS

F CONNECTOR COMPRESSION TOOL



- RG6-RG11 Connector Installation Tool
- Powerful leverage to ensure precise connection

TORQUE WRENCH



USTC DESIGNED & MANUFACTURED

- 7/16" angle head, 30 in.-lb. of torque
- Audible clicking sound ensures proper calibrated torque and prevention of damage
- Angled speed head allows for easy use

DROP CABLE STRIPPING TOOL

USTC DESIGNED & MANUFACTURED



- RG6, RG59, and RG11 stripping tool



SECURITY TOOL

- Used to unlock, lock, and remove locking terminators
- Engages quickly and smoothly without damaging the port

COAXIAL CABLE CUTTERS



USTC DESIGNED & MANUFACTURED

- Easily cut through RG59, RG6, RG11 cables
- Blade geometry ensures smooth cut to facilitate easy insertion and excellent termination

SIDE CUTTER



USTC DESIGNED & MANUFACTURED

- 180mm

DROP CABLE STRIPPING TOOL

- Strip jacket
- Cut back braid and dielectric center conductor



SCREWDRIVER



- Easily install and remove F-Type connectors in hard-to-reach places
- This tool is a must-have for all installers

Installation & Construction Tools

Fish Tape Pulling Systems



4mm & 98.5 ft



3mm & 98.5 ft



3mm & 98.5 ft

USTC DESIGNED & MANUFACTURED

Key Features:

- Fiber glass or composite available
- Various diameters and lengths available:
 - 3 and 4 mm diameters available
 - Up to 98.5 ft lengths available



4.5mm & 197 ft



7mm & 328 ft



11mm & 985 ft

Key Features:

- Fiber glass or composite available
- Mounted on robust galvanized steel reel
- Various diameters and lengths available:
 - 4.5 up to 11mm diameters available
 - 196 ft up to 985 ft lengths available

Cable Reel Roller

Key Features:

- Steel or Aluminum
- Can handle loads up to 3,300 lbs.
- Designed with collapsible lateral bar in order to increase installation efficiency

USTC DESIGNED & MANUFACTURED



CONSUMABLES

Cable Clips

Steel Cable Clip



Plastic Cable Clips



Strip Cable



Screws



Various screws available to suit your installation needs, including:

- Drywall, Lag, and Self Tapping
- Phillips Head, Square Head, and Hex Head
- Various sizes and lengths available

General Consumables

Heatshrink:

- Various diameters available: 1.3, 1.5, & 1.7"
- Length: 48"



Power Cord:

- Polarized and Non-Polarized options available



Cable Ties



Key Features:

- Various cable ties available: standard, releasable, double locking, marker, and more
- Material: Nylon 6.6
- Weather-resistant
- UV resistant
- Options with or without stainless steel available
- Tensile strength: 18 lbs. to 350 lbs.
- Various colors available

Electrical Tape



USTC DESIGNED & MANUFACTURED

Key Features:

- Weather-resistant and UL listed
- Various tensile strengths available, including thickness of 7 mils and 8.5 mils
- Dielectric strength > 7 kV
- Various colors available



7+ million

miles of fiber distributed to our customers annually across the globe

1+ million

square feet of indoor and outdoor storage capacity across our 13 locations with additional buildout available as needed

55,000+

SKUs of equipment, state-of-the-art tools, and top-quality materials available our global suppliers

IMPRESSED WITH OUR NUMBERS? THEN USE THIS NUMBER:

1-833-USTC-CORP

Give us a call and we can create a customized solution just for you.

14,000+

customers worldwide including tier 1, 2, and 3 cable operators, telecommunications service providers, rural utility providers, electric cooperatives, and contractors

1,000

nearly 1,000 valued global sourcing and supply partners

400+

employees in the U.S. and 1,200+ across the globe who are All In, working hard every day to ensure customer satisfaction and reliability

ALL IN ONE. ALL FOR YOUR NETWORK.

With 13 locations, we can support your business needs anywhere across the country.

Edison, NJ (3) – USTC Corp Headquarters, Primary Distribution Center, and Production Center

Dallas, TX – USTC Corp Distribution Center

Winston-Salem, NC – Walker Corporate Office & Distribution Center

Reno, NV – Walker Logistics Center

Tyler, TX – Walker Logistics Center

Gilbert, OK – Walker Logistics Center

Collegeville, PA – Comstar Supply Corporate Office & Distribution Center

Garner, NC – Comstar Supply Logistics Center

South Bend, IN – Comstar Supply Logistics Center

Longwood, FL (2) – Multicom Corporate Office, Primary Distribution Center, and Production Center

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