

F & LARGE O.D. CRIMP TOOLS



**F STANDARD CRIMPER**



**F & LARGE O.D. PRO CRIMPER**



**F COMPRESSION CRIMPER**

**F STANDARD CRIMPER**

ITEM #	DESCRIPTION
TFC-4000	F STANDARD CRIMPER FOR RG59/62, 6 WITH HEX CRIMP. FEATURES PARALLEL ACTION AND NICKEL PLATED SURFACES

**F & LARGE O.D. PRO CRIMPERS**

ITEM #	DESCRIPTION
TFC-4010	F PRO CRIMPER FOR RG59/62/6 WITH TENSION ADJUSTMENT - HEX SIZES .255", .322"
TFC-4020	LARGE O.D. PRO CRIMPER FOR RG8/11/213 WITH TENSION ADJUSTMENT - HEX SIZES .100", .322", .448"
TFC-4030	LARGE O.D. PRO CRIMPER FOR RG6/8/11 WITH TENSION ADJUSTMENT - HEX SIZES .100", .359", .406"

**F COMPRESSION CRIMPER**

ITEM #	DESCRIPTION
TFC-4040	F COMPRESSION TOOL FOR ATTACHING WEATHERPROOF COMPRESSION RG 59/RG6 F CONNECTORS. ALSO WORKS FOR MOST COMPETITIVE BRANDS OF COMPRESSION CONNECTORS

**PLEASE SEE PAGE 43 FOR OUR FULL LINEUP OF F CONNECTORS - ALSO SEE PAGE 52 FOR COAX STRIPPERS**



**Lifetime  
Warranty**



**PLEASE SEE PAGE 59 FOR CONNECTOR TO TOOL REFERENCE CHART**

The QUEST Professional Ratchet Crimp Tool series provides installers the best choice in professional connector crimp tools. These tools are designed for durable use and provides long life dependability and consistent, reliable terminations, crimp after crimp. They feature a 10" frame design, which allows increased leverage during the crimp process with a ratchet action mechanism providing easy, repeatable and reliable crimps. The tools come complete with die sets, which are also interchangeable. **Lifetime warranted.**

**RATCHET CRIMP TOOLS**

ITEM #	DESCRIPTION	HEX SIZES
TRF-3000	USE FOR RG-58, 59/62 BNC/TNC 3PC. CONNECTORS	.255", .213", .068"
TRF-3001	USE FOR RG-58, RG-59/62AU BNC/TNC 2PC CONNECTORS	.305", .228", .068"
TRF-3030	USE FOR RG-8 N CONNECTORS	.429", .128", .100"
TRF-3020	USE FOR RG-59, RG-6 TYPE CONNECTORS	.350", .320", .255"
TRF-3035	USE FOR RG-58, RG-174, BELDEN 8218 3PC. CONNECTORS	.213", .178", .068", .042"
TRF-3040	USE FOR RG-59, RG-6 & BELDEN 8281 3PC CONNECTORS	.324", .255", .068", .042"
TRF-3045	USE FOR RG-6, RG-174 & BELDEN 8281 3PC. CONNECTORS	.324", .178", .068"
TRF-3015	USE FOR RG-58, RG-59/62 BNC/TNC, MINI-UHF CONNECTORS	.255", .213", .100", .068", .052"
TRF-3010	USE FOR RG-58, RG-59 PLENUM 3PC. CONNECTORS	.213", .190", .068", .042"
TRF-3050	USE FOR 10-22 AWG NON-INSULATED TERMINALS	GAUGE SIZE MARKINGS
TRF-3051	USE FOR 10-22 AWG INSULATED TERMINALS	COLOR CODED NESTS
TRF-3052	USE FOR 12-22 AWG NON-INSULATED OPEN BARREL CONTACTS & TERMINALS	GAUGE SIZE MARKINGS
TRF-3054	USE FOR FIBER CRIMP CONNECTORS	.213", .178", .151"
TRF-3056	USE FOR RG6 BNC, RG59 PLENUM F	.275", .213", .068"

INSTALLATION TOOLS



# COAXIAL WIRE STRIPPERS

**Lifetime  
Warranty**



**SELF-ADJUSTING STRIPPERS**



**ADJUSTABLE STRIPPER TCS-5040**



**ADJUSTABLE STRIPPER TCS-5030**



**ADJUSTABLE STRIPPER TCS-5020**



**4-WAY COAX/UTP/WIRE STRIPPER**

QUEST offers a comprehensive selection of coaxial cable stripping tools that allow the installer proper cable prepping prior to connectorization. These range from adjustable to self-adjusting designs for a wide range of cable sizes.

**SELF-ADJUSTING STRIPPERS**

ITEM #	DESCRIPTION
TCS-5000	2-CUT SELF-ADJUSTING COAX STRIPPER FOR RG-58, RG-59/62, RG-6 CABLES
TCS-5010	3-CUT SELF-ADJUSTING COAX STRIPPER FOR RG-58, RG-59/62, RG-6 CABLES

**ADJUSTABLE STRIPPERS**

ITEM #	DESCRIPTION
TCS-5020	2-BLADE STANDARD ADJUSTABLE COAX STRIPPER FOR RG-58, RG-59/62, RG-6, RG-6 QUAD SHIELD
TCS-5030	3-BLADE STANDARD ADJUSTABLE COAX STRIPPER FOR RG-58, RG-59/62, RG-6 CABLES
TCS-5040	3-BLADE STANDARD ADJUSTABLE COAX STRIPPER FOR LARGE O.D. RG-8, RG-11, RG-213 CABLES
TCS-5120	3-BLADE CARTRIDGE DELUXE ADJUSTABLE COAX STRIPPER FOR RG-58, RG-59, RG-6 WITH 3-BLADE CARTRIDGE
TEL-6100	4-WAY COAX/UTP/WIRE STRIPPER AND CUTTER

**REPLACEMENT BLADES**

ITEM #	DESCRIPTION
TSB-5021	RED 3-BLADE CARTRIDGE FOR TCS-5120 - STRIPS BRAID .328"
TSB-5022	GREEN 2-BLADE CARTRIDGE FOR TCS-5120 - STRIPS BRAID .480"
TSB-5023	BLUE 2-BLADE CARTRIDGE FOR TCS-5120 - STRIPS BRAID .250"



**DELUXE ADJUSTABLE STRIPPER**

QUEST offers a line of cable cutting tools designed to cut cables ranging in sizes from small O.D. to 2 inches in diameter. The cutters are manufactured with precision ground hardened carbon steel cutting edges for clean and undistorted cuts. Also offered is a cable tie installation tool which speeds up cable installation time. This tool is designed to ensure correct tension and provides automatic cut-off of the cable ties.

**WIRE-CABLE CUTTERS**

ITEM #	DESCRIPTION
TMI-1030	ROUND CABLE & WIRE CUTTER FOR CUTTING MULTI-CONDUCTOR CABLE UP TO .5" AND STRANDED OR SOLID WIRE UP TO 8 AWG. FEATURES SOFT HANDLES, LOCKING LATCH AND BUILT-IN RETURN SPRING
TMI-1031	FOR CUTTING UP TO 100 PAIR GROUP TELEPHONE CABLE AND SMALL THROUGH LARGE O.D. COAXIAL CABLE - FEATURES SOFT HANDLES, LOCKING LATCH AND BUILT-IN RETURN SPRING
TMI-1040	RATCHET CABLE CUTTER FOR CUTTING LARGE O.D. (380mm <sup>2</sup> ) AND SMALLER HARD-DRAWN COPPER AND ALUMINUM CABLES. FEATURES HARDENED STEEL BLADES AND QUICK RELEASE MECHANISM

**WIRE-TIE TOOL**

ITEM #	DESCRIPTION
TMI-1015	CABLE-TIE INSTALLATION TOOL - TIE WIDTH FROM .1" TO .2" - AUTOMATIC TIE CUT-OFF-METAL FRAME CONSTRUCTION



**ROUND CABLE & WIRE CUTTER**



**100 PAIR GROUP CUTTER**



**RATCHET CABLE CUTTER**



**CABLE TIE INSTALLATION TOOL**

WIRE STRIPPERS



**20-30 AWG WIRE STRIPPER**



**10-22 AWG WIRE STRIPPER**

QUEST offers a series of wire stripping tools that provide accurate strips for wires ranging from 10 AWG to 30 AWG. These strippers are quality built and feature high-carbon steel finished with black oxide to prevent rust. Also TMI-1021 and TMI-1020 features a convenient table printed on the handle to convert AWG to millimeters.

**WIRE STRIPPERS**

ITEM #	DESCRIPTION
TMI-1021	20-30 AWG MULTI-GAUGE WIRE STRIPPER WITH BUILT-IN CUTTER AND WIRE GAUGE CONVERSION TABLE
TMI-1020	10-22 AWG MULTI-GAUGE WIRE STRIPPER WITH BUILT-IN CUTTER AND WIRE GAUGE CONVERSION TABLE
TMI-1025	WIRE STRIPPER & CUTTER FOR 10-24 AWG SOLID OR STRANDED WIRE - COMPACT 5" TOOL ADJUSTS QUICKLY TO ANY OF 8 WIRE SIZES



**WIRE STRIPPER & CUTTER**

For punch-down cable terminations, QUEST offers a wide variety of tools to do the job right. Starting with the economical UTP stripper with self-contained 110 punchdown blade tip to the multi-pair impact punch-down tool capable of seating 5 pairs at a time, QUEST has the right tool for installers.

**PUNCH DOWN TOOLS**

ITEM #	DESCRIPTION
TEL-6110	ECONOMY UTP STRIPPER WITH 110 PUNCH-DOWN BLADE TIP
TEL-6070	NON-IMPACT PUNCH TOOL WITH 66/110 BLADE (PUNCH ONLY)
TEL-6080	IMPACT PUNCH-TOOL WITH 110 BLADE (PUNCH AND CUT) - IMPACT ADJUSTMENT AND BLADE STORAGE
TEL-6090	PRO GRADE PUNCH-TOOL WITH 110 TWIST-LOCK BLADE (PUNCH AND CUT) - ADJUSTABLE HIGH-LOW ACTUATION SETTING AND LOCKING STORAGE COMPARTMENT
TEL-6120	MULTI-PAIR IMPACT PUNCH-DOWN TOOL SEATS UP TO 5 PAIRS WITH ONE ACTION - SUITABLE FOR 110 CROSS - CONNECT TERMINAL BLOCKS - REVERSIBLE TERMINATION BLOCK FOR PUNCH AND CUT OR PUNCH ONLY

**REPLACEMENT BLADES**

ITEM #	DESCRIPTION
TEL-6085	110 PUNCH/PUNCH-CUT BLADE FOR TEL-6070, TEL-6080
TEL-6097	66 PUNCH/PUNCH-CUT TWIST-LOCK BLADE FOR TEL-6090
TEL-6098	110 PUNCH/PUNCH-CUT TWIST-LOCK BLADE FOR TEL-6090
TEL-6099	KRONE PUNCH/PUNCH-CUT TWIST-LOCK BLADE FOR TEL-6090



**ECONOMY UTP STRIPPER  
w/110 BLADE**



**NON-IMPACT PUNCH TOOL  
w/66-110 BLADE**



**IMPACT PUNCH-DOWN TOOL  
w/110 BLADE**



**PRO GRADE IMPACT PUNCH-DOWN TOOL  
w/110 BLADE**



**MULTI-PAIR IMPACT PUNCH-DOWN TOOL**



**ECONOMY 4C & 6C MODULAR CRIMPER**



**ECONOMY 8C MODULAR CRIMPER**



**INSTALLER GRADE 4C, 6C & 8C  
 MODULAR CRIMPER**

QUEST offers a comprehensive selection of modular plug crimp tools that provide reliable electrical and mechanical connections. Included are models ranging from economical to high-end designs. Tools vary in size applications from 4-contact handset to 10 position/10 contact sizes.

**ECONOMY LINE**

ITEM #	DESCRIPTION
TEL-6040	CRIMPS 6P2C, 6P4C RJ-11, 6P6C RJ-12. FEATURES HARDENED STEEL FRAME WITH CUTTING AND STRIPPING BLADES
TEL-6050	CRIMPS 8P8C RJ-45. FEATURES HARDENED STEEL FRAME WITH CUTTING AND STRIPPING BLADES

**INSTALLER GRADE WITH RATCHET**

ITEM #	DESCRIPTION
TEL-6030	CRIMPS 6P4C RJ-11, 6P6C RJ-12, 8P8C RJ-45 WITH RATCHET MECHANISM INSTALLER GRADE STEEL FRAME IS LIGHT WEIGHT AND DURABLE



For heavy-duty termination use, QUEST provides a selection of high-quality modular crimp tools designed for high repeatability applications such as assembly operations or for the installation professional that demands guaranteed results. This series includes ratchet and non-ratchet mechanism designs and are offered for most modular connector sizes.

**NON RATCHET MECHANISM**

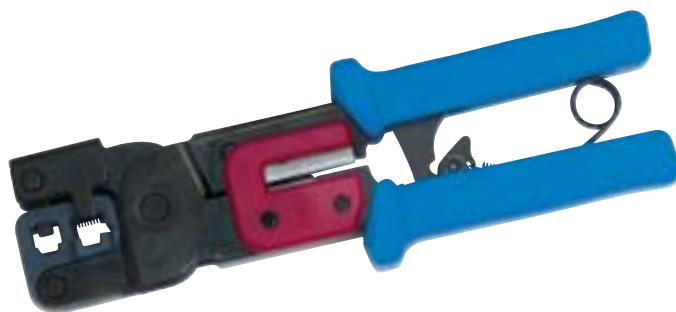
ITEM #	DESCRIPTION
TEL-6000	CRIMPS 6P4C RJ-11, 6P6C RJ-12, 8P8C RJ-45. FEATURES CABLE CUTTER AND STRIPPER, HEAT-TREATED CARBON STEEL FRAME AND SAFETY BLADE GUARD

**WITH RATCHET MECHANISM**

ITEM #	DESCRIPTION
TEL-6001	CRIMPS 6P4C RJ-11, 6P6C RJ-12, 8P8C RJ-45. FEATURES RATCHET MECHANISM, CABLE CUTTER AND STRIPPER, HEAT-TREATED CARBON STEEL FRAME AND SAFETY BLADE GUARD
TEL-6020	CRIMPS 4P2C/4P4C HANDSET, 6P4C RJ-11, 6P6C RJ-12, DEC OFFSET 6P6C, AMP 8P8C RJ-45 10P10C. FEATURES RATCHET MECHANISM WITH SAFETY RELEASE, STRAIGHT MOTION DIE MECHANISM FOR PRECISE CRIMPS AND BULIT-IN CUTTER AND STRIPPER



**Pro 4C, 6C & 8C  
MODULAR CRIMPER**



**Pro 4C, 6C & 8C  
MODULAR RATCHET CRIMPER**



**Pro 2C, 4C, 6C, 6DEC, 8C 10C  
MODULAR RATCHET CRIMPER**





**LINEMAN'S TEST SET**



**TONE GENERATOR**



**AMPLIFIER PROBE**

QUEST provides several quality products for installers of telephone, data and security cables. These include a rugged lineman's test set, an amplifier probe for tracing wiring and a tone generator for locating and identifying cable pairs or conductors individually. These are quality products designed for professional use.

**LINEMAN'S TEST SET**

ITEM #	DESCRIPTION
TTE-2000	LINEMAN'S TEST SET WITH TMF AND PULSE MODE SELECTIVITY. ALSO FEATURES LAST NUMBER REDIAL, HIGH/LOW IMPEDANCE MONITOR AND RINGING. RUGGED AND IMPACT RESISTANT CASE FEATURES A SPRING-LOADED BELT CLIP. INCLUDED IS A PVC INSULATED TINSEL WIRE TEST CORD WITH PIERCING ALLIGATOR CLIPS WITH BED OF NAILS.

**AMPLIFIER PROBE -  
TONE GENERATOR**

ITEM #	DESCRIPTION
TTE-2100	AMPLIFIER PROBE AND TONE GENERATOR SET INCLUDES BOTH UNITS IN ZIPPERED CARRY CASE. THE AMPLIFIER PROBE IS DESIGNED TO IDENTIFY AND TRACE WIRES. IT FEATURES A VOLUME CONTROL AND RECESSED ON/OFF SWITCH. THE TONE GENERATOR FEATURES SELECTABLE SINGLE OR DUAL ALTERNATING TONE, A 3-COLOR LED FOR LINE POLARITY, CONTINUITY AND VOLTAGE TESTING. INCLUDED ARE A TEST LEAD SET AND RJ-11 4 CONDUCTOR CORD AND PLUG.
TTE-2101	AMPLIFIER PROBE ONLY
TTE-2102	TONE GENERATOR ONLY

# FIBER OPTIC TERMINATION KIT

QUEST provides a connectorization kit, which contains the tools and supplies necessary to terminate fiber connectors. All products are packaged in a hard case with instruction book.

ITEM #	DESCRIPTION
NFK-7000	FIBER OPTIC TERMINATION KIT

**The kit contains the following:**

- 1- ABS CASE • 1- 100x MICROSCOPE • 1- 5" SCISSORS
- 1- BUFFER STRIPPER • 1- JACKET STRIPPER
- 1- RATCHET CRIMP TOOL W/DIE
- 1- ROUND CABLE SLITTER • 1- DIAMOND SCRIBE
- 1- GLASS POLISH PAD • 10- 3 IN 1 POLISH FILM
- 1- SC POLISH DISC • 1- ST POLISH DISC
- 1- WIPE PAPER
- 1- UV ADHESIVE FOR FIBER CABLE
- 5- EPOXY 353ND • 1- TAPE ROLL - GRAY
- 1- ALCOHOL BOTTLE • 1- PLASTIC WORK PAD • 5- SYRINGES
- 2- COMPONENT STORAGE BOXES • 1- INSTRUCTION MANUAL



## CONNECTOR TO TOOL REFERENCE CHART

QUEST ITEM #	DIE SIZE (S)	ECONOMY CRIMPER	DELUXE CRIMPER	QUEST ITEM #	DIE SIZE (S)	ECONOMY CRIMPER	DELUXE CRIMPER
CBB-2210	.305/.255			CBN-3120	.305/.068		TRF-3001
CBB-2211	.305/.228		TRF-3001 (DIE 3000)	CBN-3121	.190/.068		TRF-3010
CBB-2214	.305/.255		TRF-3001	CBN-3210	.255/.068		TRF-3000
CBB-2219	.190/.068		TRF-3001 (DIE 3000)	CBN-3212	.228/.068		TRF-3001
CBB-2220	.350/.320		TRF-3010	CBN-3214	.305/.068		TRF-3001
CBB-3210	.255/.068		TRF-3020	CFC-7111	.324	TFC-4020	TRF-3040
CBB-3211	.228/.068		TRF-3000	CFC-7112	.275		TRF-3056
CBB-3214	.275/.068		TRF-3001	CFC-7114	.324	TFC-4020	TRF-3040
CBB-3219	.190/.068		TRF-3056	CFC-7115	.324	TFC-4020	TRF-3040
CBB-3220	.305/.068		TRF-3010	CFC-7118	.470	TFC-4035	
CBN-2110	.305/.255		TRF-3001	CFC-7119	.448	TFC-4020	
CBN-2111	.305/.228		TRF-3001 (DIE 3000)	CFC-7123	.324	TFC-4020	TRF-3040
CBN-2112	.305/.228		TRF-3001	CFC-7124	.324	TFC-4020	TRF-3040
CBN-2114	.305/.275		TRF-3001	CFC-7214	.324	TFC-4020	TRF-3040
CBN-2115	.305/.255		TRF-3001 (DIE 3056)	CFC-7314	.324	TFC-4020	TRF-3040
CBN-2120	.350/.320		TRF-3001 (DIE 3000)	CFC-8110			TFC-4040
CBN-2122	.305/.128		TRF-3020	CFC-8114			TFC-4040
CBN-3105	.255/.068		TRF-3001 (DIE 3030)	CMU-3112	.228/.068		TRF-3000
CBN-3110	.255/.068		TRF-3000	CNC-3212	.228/.068		TRF-3000
CBN-3111	.228/.068		TRF-3000	CNC-3022	.406/.100	TFC-4030	
CBN-3112	.213/.068		TRF-3001	CNC-3112	.213/.068		TRF-3000
CBN-3113	.190/.068		TRF-3000	CPC-7125	.324	TFC-4020	TRF-3040
CBN-3114	.275/.068		TRF-3010	CTN-2112	.213/.042		TRF-3010
CBN-3116	.213/.100/.052		TRF-3056	CUF-6220	.190/.042		TRF-3010
CBN-3118	.410/.096	TFC-4035	TRF-3015				



**MINI 2-WAY SPLITTER**



**2-WAY SPLITTER**



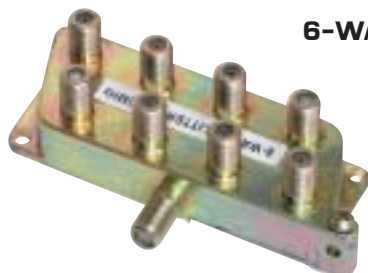
**3-WAY SPLITTER**



**4-WAY SPLITTER**



**6-WAY SPLITTER**



**8-WAY SPLITTER**

For TV signal management, QUEST provides a comprehensive selection of 5-900MHz signal splitters. This series feature high-strength zinc die-cast housings, anticorrosive finish and precision threads. Mounting screws are provided.

ITEM #	DESCRIPTION
VSP-1210	2-WAY 5-900MHz SPLITTER IN MINI HOUSING
VSP-1220	2-WAY 5-900MHz SPLITTER IN STANDARD HOUSING
VSP-1320	3-WAY 5-900 MHz SPLITTER IN STANDARD HOUSING
VSP-1420	4-WAY 5-900MHz SPLITTER IN STANDARD HOUSING
VSP-1620	6-WAY 5-900MHz SPLITTER IN LARGE HOUSING
VSP-1820	8-WAY 5-900MHz SPLITTER IN LARGE HOUSING

**SPECIFICATIONS**

Parameter	Frequency (MHz)	2-Way	3-Way	4-Way	6-Way	8-Way
<b>Insertion Loss IN-OUT (dB Max)</b>	5-300	2.8	3.2	6.7	9.1	10.1
	300-450	3.0	3.4	7.2	9.9	10.8
	450-600	3.3	3.5	7.5	10.3	11.3
	600-900	3.5	3.8	7.8	10.8	12.0
<b>Return loss Input (dB Min.)</b>	5-300	12	11	12	12	12
	300-450	14	12	15	13	13
	450-600	15	15	13	15	14
	600-900	12	12	11	12	12
<b>Return loss Output (dB Min.)</b>	5-300	12	12	15	11	12
	300-450	15	13	12	12	15
	450-600	13	15	11	12	15
	600-900	12	12	12	11	13
<b>Isolation Output (dB Min.)</b>	5-300	25	22	24	23	25
	300-450	28	25	25	25	26
	450-600	26	25	24	22	24
	600-900	25	23	23	22	24
<b>Impedance RFI (dB)</b>	500 mA	75ohm	75ohm	75ohm	75ohm	75ohm
	5-900	85dB	85dB	85dB	85dB	85dB

For high frequency applications such as broadband CATV, MATV, SMATV and MMDS systems, QUEST offers high quality splitters and directional couplers featuring 5 to 1000 MHz frequency range. These products also feature high quality tin plated zinc die-cast housings with PC board component design, solder back housing allowing -130dB RFI shielding. All ports are DC blocked.

## SPLITTERS

ITEM #	DESCRIPTION
VSP-2220	2-WAY 1 GHz SPLITTER - SOLDER-BACK - 130dB RFI SHIELDING - DC POWER BLOCK
VSP-2320	3-WAY 1 GHz SPLITTER - SOLDER-BACK - 130dB RFI SHIELDING - DC POWER BLOCK
VSP-2420	4-WAY 1 GHz SPLITTER - SOLDER-BACK - 130dB RFI SHIELDING - DC POWER BLOCK

## DIRECTIONAL COUPLERS

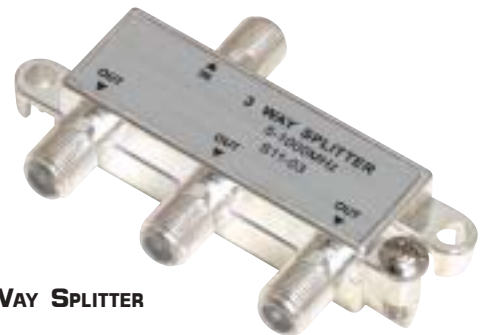
ITEM #	DESCRIPTION
VTP-1106	6dB 1 GHz 1-WAY TAP
VTP-1109	9dB 1 GHz 1-WAY TAP
VTP-1112	12dB 1 GHz 1-WAY TAP
VTP-1116	16dB 1 GHz 1-WAY TAP
VTP-1120	20dB 1 GHz 1-WAY TAP
VTP-1124	24dB 1 GHz 1-WAY TAP
VTP-1127	27dB 1 GHz 1-WAY TAP
VTP-1130	30dB 1 GHz 1-WAY TAP

## SPECIFICATIONS SPLITTERS

Parameter	Frequency (MHz)	2-Way	3-Way	4-Way
Insertion Loss	5-4	3.2	5.3	6.7
	4-400	3.2	5.5	6.9
IN-OUT (dB Max)	400-600	3.3	5.8	7.5
	600-1000	3.5	6.5	7.8
Return loss Input (dB Min.)	5-4	24	22	22
	4-400	30	24	24
	400-600	28	25	25
	600-1000	24	24	23
Return loss Output (dB Min.)	5-4	22	21	24
	4-400	25	23	26
	400-600	28	25	25
	600-1000	24	22	23
Isolation Out-Out (dB Min.)	5-4	26	28	24
	4-400	32	32	28
	400-600	28	28	24
	600-1000	25	25	23
Impedance RFI (dB)	500 mA	75ohm	75ohm	75ohm
	5-900	85dB	85dB	85dB



2-WAY SPLITTER



3-WAY SPLITTER



4-WAY SPLITTER



MINI DIRECTIONAL COUPLER

# SIGNAL COMBINERS/SEPARATORS

QUEST offers products for combining and separating various video signal applications. These include products that eliminate the need for switches and products that merge satellite and off-air TV signals.



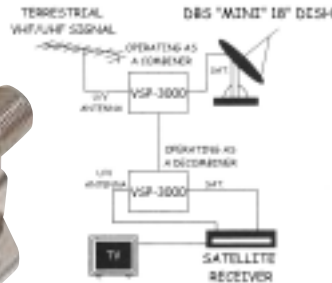
**VHF Low/Hi Band  
SEPARATOR / COMBINER**



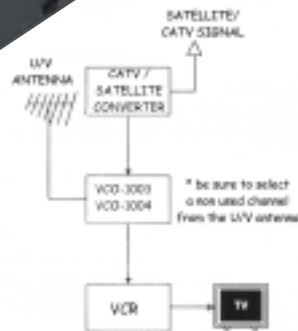
**UHF/VHF BAND  
SEPARATOR / COMBINER**



**COMPACT  
SEPARATOR / COMBINER**



**SIGNAL COMBINER**



**ITEM #**

**DESCRIPTION**

- VTP-3010 HIGH-LOW FREQUENCY SEPARATOR / JOINER - SEPARATES LOW (CH.2-6/FM) AND HIGH (CH.7-13) BANDS FROM 1 INPUT OR JOINS TO A SINGLE OUTPUT
- VTP-3020 UHF/VHF BAND SEPARATOR / JOINER

**SPECIFICATIONS  
SEPARATOR/COMBINER**

**VTP-3010**

- BANDWIDTH: 54-216 MHz
- LOW BAND REJECTION : 20dB (CH.2-6/FM)
- HIGH BAND REJECTION: 20dB (CH.7-13)
- INSERTION LOSS: 0.5dB
- IMPEDANCE: 75 OHMS
- POWER PASSIVE: LOW BAND ONLY

**VTP-3020**

- BANDWIDTH: 54-890MHz
- VHF BAND REJECTION: 23dB MIN.
- UHF BAND REJECTION: 30dB MIN.
- INSERTION LOSS VHF: 0.5dB
- INSERTION LOSS UHF: 0.8dB
- IMPEDANCE: 75 OHM
- POWER PASSIVE: VHF ONLY

**SATELLITE DIPLEXER**

**ITEM #**

**DESCRIPTION**

- VSP-3000 COMPACT SATELLITE DIPLEXER/COMBINER DIE CAST HOUSING

Frequency	Range	40-2150MHz
Insertion Loss	IN/OUT-TV	40-860MHz: 1.5±1.0dB
	IN/OUT-SAT	40-860MHz: 20 dB
	IN/OUT-TV	950-2150MHz: 15dB
	IN/OUT-SAT	950-2150MHz: 2±2dB
DC-Pass	IN/OUT-TV	NONE
	IN/OUT-SAT	500ma MAX

**SIGNAL COMBINERS**

**ITEM #**

**DESCRIPTION**

- VCO-1003 CHANNEL 3 SIGNAL COMBINER
- VCO-1004 CHANNEL 4 SIGNAL COMBINER

Video switching devices are necessary when selecting a single signal to two TV's or video devices or when two signal inputs need to be connected to a single TV or video device. QUEST offers 2 models of these commonly called A-B switches.

QUEST also offers RF modulators, which are used to convert composite video and audio signals such as cameras, satellite receivers, computer games and VCR's to modulated RF (Radio Frequency) signals, which are compatible with antenna connections on TV's

**A-B SWITCHES**

ITEM #	DESCRIPTION
VAB-1000	ECONOMY A-B SWITCH -MEDIUM ISOLATION HIGH RELIABILITY SWITCH
VAB-2000	DELUXE PUSH-BUTTON A-B SWITCH HIGH-SHIELDING - HIGH ISOLATION

**R.F. MODULATORS**

ITEM #	DESCRIPTION
VCO-1100	R.F. MODULATOR FOR CHANNEL 3-4 SELECTABLE OUTPUT
VCO-1110	UHF MODULATOR WITH ADJUSTABLE OUTPUT CHANNELS 14-32

**SPECIFICATIONS  
MODULATORS**

**VCO-1100**

- FREQUENCY RANGE: VHF CH.3-4 SELECTABLE
- VIDEO INPUT: COMPOSITE NTSC NEGATIVE SYNC
- OUTPUT IMPEDANCE: 75 OHM
- OUTPUT LEVEL: 10dBmv
- FREQUENCY STABILITY: VIDEO: 250KHz (0.5%)  
AUDIO: ± 3KHz

**VCO-1110**

- FREQUENCY RANGE: UHF CH. 14-32 ADJUSTABLE
- VIDEO INPUT: COMPOSITE NTSC NEGATIVE SYNC
- OUTPUT IMPEDANCE: 75 OHM
- OUTPUT LEVEL: 10dBmv



**2-WAY A/B SWITCH**



**HEAVY DUTY 2-WAY  
A/B SWITCH**



**VHF RF MODULAR**



**UHF RF MODULAR**

CATV/MATV SATELLITE

VAM-2110



VAM-1412



VAM-2125



VAM-2130



QUEST offers a series of signal amplifiers designed to boost RF signal levels where low-level signals are present or where distribution for multiple TV's is required. Several models are available with various amplification, bandwidth and distribution designs for residential and small building applications.

AMPLIFIERS

ITEM #	DESCRIPTION
VAM-2110	10dB VHF/UHF 1 OUTPUT SIGNAL AMPLIFIER
VAM-1412	18dB VHF-UHF 4 OUTPUT SIGNAL AMPLIFIER /SPLITTER
VAM-2125	25dB VHF-UHF 1 OUTPUT WITH GAIN CONTROL
VAM-2130	6dB 1GHz 2-OUTPUT CABLE TV AMPLIFIER
VAM-4000	20dB 950-2150MHz IN-LINE AMP FOR SATELLITE REQUIRES POWER INSERTER

SPECIFICATIONS  
AMPLIFIERS

MODEL	GAIN (dB)		NOISE FIGURE (dB)	MAX. INPUT (dBmV)	
	VHF	UHF		VHF	UHF
VAM-2110	10	7	7	32	20
VAM-1412	18	14	7	30	20
VAM-2125	25	21	6	40	20
VAM-2130	6	3	7	32	20

IN-LINE AMPLIFIER

MODEL	GAIN (dB) (950-2150 MHz)	NOISE	VSWR	POWER REQUIRED
VAM-4000	12 - 20 dB	6 dB	2.5:1	15-18 VDC



VAM-4000

In addition to our expanded line of CATV/MATV products, QUEST provides a series of impedance matching transformers, both for indoor and outdoor applications. Also offered are grounding blocks, nailable cable clips and feed-through cable bushings for RG-59 and RG-6 sizes.

**MATCHING TRANSFORMERS**

ITEM #	DESCRIPTION
VMT-1000	75-300 OHM INDOOR MATCHING TRANSFORMER
VMT-2000	75-300 OHM WEATHERPROOF MATCHING TRANSFORMER WITH #10 WIRE LEADS
VMT-3000	75-300 OHM WEATHERPROOF MATCHING TRANSFORMER WITH 300 OHM TWIN-LEAD

**GROUNDING BLOCKS**

ITEM #	DESCRIPTION
VGB-1001	SINGLE GROUNDING BLOCK WITH ZINC DIE-CAST F COUPLER
VGB-1002	DUAL GROUNDING BLOCK WITH 2 ZINC DIE-CAST F COUPLERS

**CABLE CLIPS**

ITEM #	DESCRIPTION
VCC-1101	WHITE RG-59 CABLE CLIP WITH 1" NAIL
VCC-1102	BLACK RG-59 CABLE CLIP WITH 1" NAIL
VCC-2101	WHITE RG-6 CABLE CLIP WITH 1" NAIL
VCC-2102	BLACK RG-6 CABLE CLIP WITH 1" NAIL

**CABLE BUSHINGS**

ITEM #	DESCRIPTION
VCC-4104	WHITE RG-59 CABLE BUSHING
VCC-4103	BLACK RG-59 CABLE BUSHING
VCC-4101	WHITE RG-6 CABLE BUSHING
VCC-4102	BLACK RG-6 CABLE BUSHING



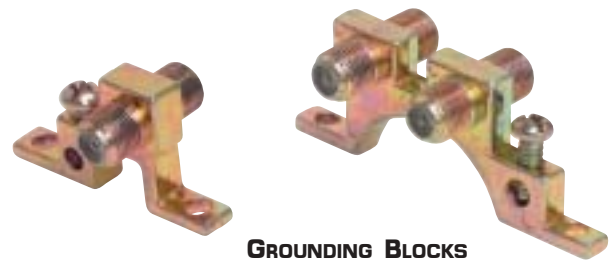
**INDOOR MATCHING TRANSFORMER**



**OUTDOOR MATCHING TRANSFORMER W/#10 LEADS**



**OUTDOOR MATCHING TRANSFORMER W/TWIN-LEADS**



**GROUNDING BLOCKS**



**CABLE CLIPS**



**FEED-THRU CABLE BUSHINGS**

CATV/MATV SATELLITE



For connecting and patching video and audio signals, QUEST offers Video/Audio dubbing and S-VHS cable assemblies. The dubbing cables are available in various lengths and in mono or stereo configurations. They are manufactured with high-quality cables and each end is clearly marked with audio channels and video designations. The connector ends are gold plated for improved contact characteristics and over molded with cable strain reliefs. The S-VHS Mini-Din4 to Mini-Din4 cables also feature gold plated connectors and are made with high quality cable.

**DUBBING CABLES**

ITEM #	DESCRIPTION
VCA-4203	3' MONO VIDEO/AUDIO DUBBING CABLE 1 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS
VCA-4206	6' MONO VIDEO/AUDIO DUBBING CABLE 1 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS
VCA-4212	12' MONO VIDEO/AUDIO DUBBING CABLE 1 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS
VCA-3203	3' STEREO VIDEO/AUDIO DUBBING CABLE 2 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS
VCA-3206	6' STEREO VIDEO/AUDIO DUBBING CABLE 2 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS
VCA-3212	12' STEREO VIDEO/AUDIO DUBBING CABLE 2 RCA-RCA FOR AUDIO, 1 RCA-RCA FOR VIDEO GOLD PLATED CONNECTORS

**S-VHS CABLES**

ITEM #	DESCRIPTION
VCA-5206	6' MINI-DIN4 MALE TO MINI-DIN4 MALE
VCA-5212	12' MINI-DIN4 MALE TO MINI-DIN4 MALE
VCA-5225	25' MINI-DIN4 MALE TO MINI-DIN4 MALE
VCA-5250	50' MINI-DIN4 MALE TO MINI-DIN4 MALE



**MONO DUBBING CABLES**



**STEREO DUBBING CABLES**



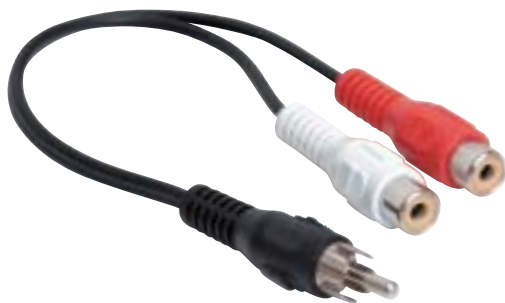
**S-VHS CABLES**



**STEREO SHIELDED AUDIO CABLE**



**3.5MM MALE TO 2 RCA JACKS**



**1 RCA PLUG TO 2 RCA JACKS**



**2 RCA PLUGS TO 1 RCA JACK**

For audio patching applications, QUEST offers a selection of mono and stereo cable assemblies as well as a selection of "Y" cables that allow splitting or combining audio channels. These are offered in various configurations and lengths.

**AUDIO CABLES**

ITEM #	DESCRIPTION
VCA-4106	6' MONO RCA MALE TO RCA MALE SHIELDED CABLE
VCA-4112	12' MONO RCA MALE TO RCA MALE SHIELDED CABLE
VCA-3103	3' STEREO RCA MALE TO RCA MALE SHIELDED CABLE
VCA-3106	6' STEREO RCA MALE TO RCA MALE SHIELDED CABLE
VCA-3112	12' STEREO RCA MALE TO RCA MALE SHIELDED CABLE
VCA-3125	25' STEREO RCA MALE TO RCA MALE SHIELDED CABLE

**ADAPTER CABLES**

ITEM #	DESCRIPTION
VCA-7010	Y CABLE - STEREO 3.5mm MINI PLUG TO TWO RCA JACKS - SHIELDED
VCA-7020	Y CABLE - 2 RCA MALE PLUGS TO 1 RCA JACK - SHIELDED
VCA-7030	Y CABLE - 1 RCA PLUG TO 2 RCA JACKS - SHIELDED



**Mono Shielded Audio**

# VIDEO/DBS SATELLITE WALL PLATES

The QUEST series of flush-mounted video and satellite wall plates are offered with smooth finish faces for residential TV signal outlets. These include pre-installed feed through F connectors for connecting terminated F cables inside the box and externally for the hook-up. Most wall plates are offered in white and ivory and all fit into any standard single gang electrical box. Also offered are the dual combination wall plates with an RJ-11 4 contact telephone modular jack and F connector for video used in all DBS satellite connections.

ITEM #	DESCRIPTION
VWP-1101	F WALL PLATE - IVORY SMOOTH FINISH - WITH F-81 CONNECTOR
VWP-1102	F WALL PLATE - WHITE SMOOTH FINISH - WITH F-81 CONNECTOR
VWP-2102	DUAL F WALL PLATE - WHITE SMOOTH FINISH - WITH 2 F-81 CONNECTORS
NTP-1901	COMBO RJ-11 4C PHONE JACK WITH F-81 VIDEO CONNECTOR - IVORY - SMOOTH FINISH
NTP-1902	COMBO RJ-11 4C PHONE JACK WITH F-81 VIDEO CONNECTOR - WHITE - SMOOTH FINISH

**PLEASE SEE PAGES 70 AND 71 FOR  
OUR FULL LINE OF DÉCOR STYLE  
RESIDENTIAL HOME THEATER SERIES  
WALL PLATES**



**WALL PLATES WITH SINGLE F CONNECTOR**



**WALL PLATES WITH DUAL F CONNECTORS**



**COMBO 4C PHONE/F-81 WALL PLATES**

AUDIO/VIDEO HOME THEATER

# DÉCOR HOME THEATER SERIES WALL PLATES



**1 PAIR BINDING POST**



**2 PAIR BINDING POST**



**1 PAIR BANANA JACKS**



**2 PAIR BANANA JACKS**



**DUAL RCA JACKS**



**TRIPLE RCA JACKS**



**1 F-81/DUAL RCA JACKS**



**1 F-81/TRIPLE RCA JACKS**

Today's residential building environments are including pre-wiring for in-home data networking and home theater entertainment. QUEST provides a complete selection of décor style wall plates designed for home theater interconnects. All items are packaged complete with single gang faceplates.

ITEM #	DESCRIPTION
VHT-9000	1 PAIR BINDING POSTS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9010	2 PAIR BINDING POSTS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9020	1 PAIR BANANA JACKS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9030	2 PAIR BANANA JACKS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9040	DUAL RCA JACKS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9050	TRIPLE RCA JACKS - RED/BLACK - GOLD PLATED - WHITE - INCLUDES FACEPLATE
VHT-9060	2 RCA JACKS / 1 F-81 CONNECTOR - RCA JACKS CODED RED/BLACK-GOLD PLATED WHITE - INCLUDES FACEPLATE
VHT-9070	3 RCA JACKS / 1 F-81 CONNECTOR - RCA JACKS CODED RED/BLACK/YELLOW - GOLD PLATED WHITE - INCLUDES FACEPLATE

In addition to the line of Home Theater wall outlets, QUEST offers single, dual and triple gang faceplates where multiple outlets are required. These faceplates are also compatible with QUEST's modular keystone data/voice jack module on page 9.

ITEM #	DESCRIPTION
VHT-9080	SINGLE F GOLD PLATED VIDEO - WHITE - INCLUDES FACEPLATE
VHT-9090	DUAL F GOLD PLATED VIDEO - WHITE - INCLUDES FACEPLATE
VHT-9095	SINGLE UNLOADED 3-HOLE INSERT MODULE - WHITE - INCLUDES FACEPLATE
VHT-9100	SINGLE GANG DÉCOR FACEPLATE ONLY - WHITE
VHT-9200	DUAL GANG DÉCOR FACEPLATE ONLY - WHITE
VHT-9300	TRIPLE GANG DÉCOR FACEPLATE ONLY - WHITE



SINGLE F-81



DUAL F-81



SINGLE GANG FACEPLATE



UNLOADED INSERT  
MODULE



TRIPLE GANG FACEPLATE



DUAL GANG FACEPLATE

**PLEASE SEE PAGE 69 FOR OTHER  
VIDEO AND SATELLITE WALL PLATES**

**ATM (Asynchronous transfer mode)** Technology selected by ITU, for broadband ISDN. This communication framework is designated by the ATM forum for 155 Mb/s transmitted over twisted pair UTP (unshielded twisted pair) or STP (shielded twisted pair) cable and optical cabling at various bit rates for both LAN and WAN applications.

**Attenuation** Generally expressed in decibels, it is a measure of reduced power or amplitude of a transmitted signal.

**ACR (Attenuation to Cross talk Ratio)** The measured difference between attenuation and cross talk.

**Cabling** The part of the telecommunications infrastructure comprised of cables, wire, cords and connecting hardware.

**Channel** The entire path connecting any two points where specific application equipment is joined. The physical equipment and cabling at the work area is all part of the channel.

**Coaxial Cable** A cable type consisting of an inner conductor sheathed by an insulator that is sheathed by an outer shielding commonly used for CATV and MATV applications.

**Cross Connect** Also known as a distributor; the area allowing the termination of cabling and other interconnect products or cross-connections with other cabling or equipment.

**Cross talk** Generally expressed in decibels, the measured noise or interference effected by electromagnetic coupling from one path of signal to another.

**Decibel (dB)** A standard unit for expressing increased or decreased transmission strength as derived from a ratio of power or signal amplitudes.

**Demarcation Point (DP)** The point at which ownership or operational control changes.

**ELFEXT (Equal Level Far-end Cross talk)** Measured cross talk levels at the opposite end from the signal distribution point where signal is transmitted normalized by the contributed attenuation of the cabling.

**FEXT (Far end Cross talk)** Measured cross talk levels at the opposite end from the distribution point where signal is transmitted.

**Gain** A measure of amplification expressed in dB.

**Gigahertz (GHz)** One billion cycles per second. Signals operating above 3 Gigahertz are known as microwave.

**Horizontal Cabling** The inclusive cabling between the telecommunications outlet and the horizontal cross connect.

**Link** End to End transmission path supported by the cabling infrastructure. Links include all hardware and supporting cabling that makes up the backbone / horizontal subsystems. Work area and equipment cabling are not part of the link.

**Modular Jack** Typically mounted in a fixed location with 4, 6 or 8 contacts, a female type Telecommunications interface connector as specified in IEC 603-7 and FCC Part 68 Subpart F.

**Modular Plug** Having either 4, 6 or 8 contacts a male type Telecommunications interface connector as specified in IEC 603-7 and FCC Part 68 Subpart F.

**Multimedia** Communication of information by more than one type of cabling media. i.e. CATV, Satellite, Video...

**MUTOA** (Multi-user Telecommunications Outlet Assembly) One location serving several telecommunications outlet connections.

**NEXT (Near end Cross talk)** Measurement of cross talk taken at the end from where the signal is transmitted.

**Patch Cord** A length of cable joining telecommunications links at a cross-connect built with connectors at one or both ends.

**Patch Panel** A connection between horizontal and backbone cabling in a fixed arrangement that is accessible via patch cords or equipment cords to create a cross-connection or interconnection.

**Power Sum** 4 pair cable testing where the mathematical sum of pair-to-pair cross talk generated by 3 pairs to 1 pair is measured.

**Return Loss** Expressed in decibels, a measure of noise or interference caused by impedance discontinuities across the transmission line at different frequencies.

**Telecommunications** Sending, receiving, or emitting of any of an array of signal types including writings, images, sounds, or information of any type via cable, visual, optical or other electromagnetic systems.

**UTP (Unshielded Twisted Pair)** A multiple number of pairs of insulated copper conductors bound in a single sheath.

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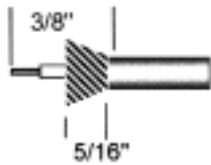
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**3 PIECE BNC, TNC, MINI-UHF CRIMP STYLE.**



1. Strip cable as shown or use stripping tool TCS-5010.

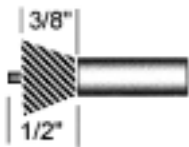


2. Crimp center contact with proper crimp tool as noted in the connector to tool cross found on page 59.



3. Slide ferrule up over back of body housing and over cable braid, and crimp ferrule with proper crimp tool found on page 59.

**2 PIECE BNC CRIMP STYLE**



1. Strip cable as shown or use the TCS-5000 stripper. Remove all but 1/8" of dielectric.

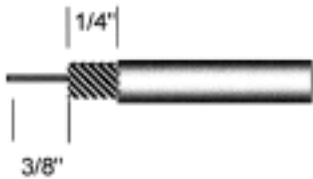


2. Flare out braid completely and then feed the center conductor into the rear of the connector body.

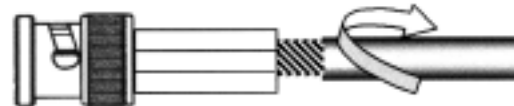


3. Slide ferrule up over the body and braid and crimp with appropriate tool.

**BNC ONE PIECE TWIST-ON**

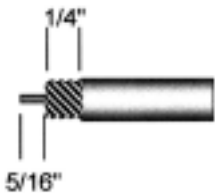


1. Strip cable as shown or use tool TCS-5020.



2. Twist center pin into connector body with a clockwise motion.  
3. Twist onto cable jacket until fully threaded onto cable.

**F ONE PIECE CRIMP STYLE.**



1. Strip cable as shown or use TCS-5020 stripping tool.



2. Push stripped cable into the connector until the cable dielectric is flush with the connectors center opening in the head of the connector.



3. Crimp body with tool specified in the connector to tool cross reference on page 59.

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