COMMUNICATIONS

GREENLEE COMMUNICATIONS OFFERS INDUSTRY-LEADING TOOLS FOR DATACOM, TELECOM, AND FIBER OPTIC APPLICATIONS. CHOOSE FROM A LARGE LINEUP OF PREMIUM INSTALLATION TOOLS, TONE GENERATORS, FIBER OPTIC EQUIPMENT, AND MORE — ALL FIELD TESTED TO PERFORM.

Contents

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HAND TOOLS
Telecom Splice Crimpers

PA1180

PA1178

- Side cutter for AWG 19-26 copper.
- Non-slip grips for precision control.
- Crimp capacity
  - UR: AWG 19-26
  - UY: AWG 22-26
  - UG: AWG 19-26

PA1180 only
- Stripping cavity for AWG 22 wire.
- Needle-nose with knurled surface for gripping, wrapping and looping.

CAT. NO.	DESCRIPTION
PA1180	4-in-1 Telecom Splice Crimper
PA1178	Telecom Splice Crimper

Round Cable Cutters

PA1175

PA1179

- Cuts solid or stranded cable up to AWG 6.
- Precise and effortless cuts.
- Round cutting form won't deform cables.
- Ideal for UTP and Coax, RG58, RG59 and RG6/6Q; RG7 and RG11 with PA1175.

CAT. NO.	DESCRIPTION
PA1175	Contour Round Cable Cutter
PA1179	Dual-Contour Round Cable Cutter

Cable Cutter, 8 AWG

- Designed to cut solid, stranded wire up to 8 AWG (10 mm²) and multi-conductor cable up to 1/2" (12.7 mm) in diameter.
- Curved cutting blades ensure an easy cut.
- Economically priced.
- Cushioned-grip handle for comfortable use.
- Heat-treated for long life.
- Stamped and precision ground from high-carbon tool steel.
- Return spring.
- Locking latch.
- Rust-resistant black oxide finish.

CAT. NO.	UPC NO.	DESCRIPTION
45482	45482	Cable Cutter

Cable Splicer's Knife and Splicer's Snips

PT-K01A

- Cuts cable, telephone wire and strips insulation.
- Tough, tempered steel knife blade holds its edge longer.
- Full-sized knife handle provides greater comfort.
- Knife has a short, coping-type blade made of the finest cutlery steel.
- Scissors have an upper blade with two stripping notches to strip most insulations from 19-24 AWG.

CAT. NO.	UPC NO.	DESCRIPTION
PT-K01A	12997	Scissors and Knife Kit in Pouch
PT-T01	08707	Cable Splicer's Knife
PT-T02	08708	Electrician's Snips
PT-C01	08702	Two-Pocket Leather Pouch
PA1931		Datacomm Snips

PT-T01

PT-T02

PA1931

DataComm Snips, Electrician's Snips

- Cuts, strips and trims data and phone cables.
- Ergonomic design nests in hand for comfort and added cutting power.
- One fully serrated blade for clean cuts.
- "V" stripping notches for 19 and 23 AWG wire.
- Manufactured from high-carbon steel, chrome over nickel plate.

CAT. NO.	UPC NO.	DESCRIPTION
PT-T03	89195	Snips only

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Pro Wire Strippers

NEW PRODUCT

1950A

1955A

1956A

- Strips both solid and stranded wires.
- Precision ground blades ensure consistent stripping and cutting.
- Ergonomically designed, extra long handles for superior comfort and assured grip.
- Heat treated for strength with black oxide finish for rust resistance.
- Serrated nose pliers for bending, pulling, and shaping wire.
- Lock tab protects cutting edges during storage.
- Cleanly cuts #6-32 and #8-32 screws.
- Note: this is not an insulated tool.
- Lifetime limited warranty.

CAT. NO.	UPC NO.	DESCRIPTION	CAP (AWG) SOLID	STRANDED
N 1950A	06852	Pro Stripper 10-18 AWG	10-18	12-20
N 1955A	06857	Pro Plus Wire Stripper, 10-18 AWG	10-18	12-20
N 1956A	10300	Pro Plus Stripper 8-16 AWG	6-14	8-16

Wire Stripper/Cutters

NEW PRODUCT

1916A

1917A

- Strips both solid and stranded wires.
- Precision ground blades ensure consistent stripping and cutting.
- Double dipped grips for superior comfort and assured grip.
- Heat treated for strength with black oxide finish for rust resistance.
- Serrated nose pliers for bending, pulling, and shaping wire.
- Lock tab protects cutting edges during storage.
- Cleanly cuts #6-32 and #8-32 screws.
- Note: this is not an insulated tool.
- Lifetime limited warranty.

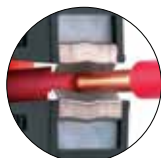| CAT. NO.	UPC NO.	DESCRIPTION	CAP (AWG) SOLID	STRANDED
N 1916A	31891	Wire Stripper	10-20	12-22
N 1917A	31890	Wire Stripper	16-26	18-28

GripP-Strippers 10 & 20

- Head of tool and handles designed at optimum 22º angle to prevent awkward wrist bends.
- Precision grould blades ensure consistent stripping and cutting.
- Features screw cutter and wire loops embedded in frames.
- Built-in safety lock.
- Gripping jaws on front of tool for pulling wire.
- PA1117 will work on Romex household cable.
- Note: This is not an insulated tool.

CAT. NO.	DESCRIPTION	CAP (AWG) SOLID	STRANDED
PA1117	GripP 10 cutter/stripper	10-22	12-24
PA1118	GripP 20 cutter/stripper	20-30	22-32
PA1123	Wire Stipper Bundle, includes both PA1117 and PA1118		

*Do not use on live circuits.

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stripax® Pro 6 & Pro 16

- Strips heavy-duty and industrial insulations including THHN & THHW.
- Strips standard insulations including PVC, rubber and silicone.
- Provides nick-free stripping of insulation with no damage to conductors.
- Built-in cutter provides a smooth, straight cut without distorting the conductor.
- Fine adjustment slider on top of tool lets you adjust to the insulation thickness.
- Handles designed for comfort and require low hand force.
- Not for Teflon or Kapton hard insulations (use part number PA1115P mini-stripax Plus with a Teflon blade for these insulations).
- Perfect companion for any of our wire ferrule crimpers.
- Strippers carry a lifetime warranty; blade warranty is one year for defects only.

68 spring- compression blades on Pro 6†

Adjustable wire stop to set strip lengths

Cutter on bottom means less hand force required

Round stripping blades on Pro 16 cut insulation cleanly

CAT. NO.	DESCRIPTION	WEIGHT
PA1113	stripax® Pro 6 (28-10 AWG) (.08-6.0 mm2)	5.5 oz
PA2113	stripax® Pro 6 replacement stripping blade set	

*Do not use on live circuits
† 68 spring- compression blades precisely adjust to the insulation.

Teflon® is a registered trademark of Dupont

mini-stripax® plus

- Strips flexible and solid conductors with PVC, Teflon, silicone and other special insulations.
- Strips multiple conductors and thin ribbon-cable conductors simultaneously.
- Adjustable wire stop and built-in wire cutter.
- 28-18 AWG (0.80-1.0 mm2) PVC blade included.
- See replacement blades in next section.

*Strips PVC only. Do not use on live circuits.
For Teflon, order blades separately see below in mini-stripax plus Replacement Blades Section.

CAT. NO.	DESCRIPTION	WEIGHT
PA1115P	mini-stripax® plus (28-18 AWG)	4 oz

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Adjustable Wire Stripper & Cutter

- Economical wire stripping tool for multiple cables.
- Made of high carbon steel and heat treated for long life.
- Adjustable settings for wire sizes from 30-10 AWG.

*Do not use on live circuits.

CAT. NO.	DESCRIPTION	WEIGHT
PA1161	Adjustable wire stripper & cutter (30-10 AWG)	3 oz

Combo UTP/Coax SureStrip™

- Professional all-in-one cutter/stripper for coaxial and twisted pair cables.
- Cuts and strips multiple cable types:
  - Coax: RG6, RG6 Quad and RG59.
  - Twisted Pair (UTP/STP): Cat6, Cat5e and Cat5.
- Easy-to-use combination cutter/stripper.
- Adjustable stripping blade for UTP/STP; accommodates different insulation thicknesses without damaging conductors.
- Self-regulating cassette blade prevents nicks.
- Coax blade cassette is removable to adjust stripping depth of both blades with hex key included. (Note: Hex key stores securely in bottom of tool)
- Contoured finger grips for cutting power.

CAT. NO.	DESCRIPTION	WEIGHT
PA1119	Combo UTP/Coax SureStrip™	2.5 oz
PA2119	Coax Blade Cassette	—
PA2120	UTP Cut/Strip Blade	—

Data SureStrip™

- Small, compact tool that cuts and strips multiple cable types:
  - 4-, 6- and 8-conductor flat satin cables.
  - 4-, 6- and 8-conductor UTP/STP data cables.
  - 25-pair UTP/STP data and telephone cables.
- Multi-conductor round bundled cables with a maximum diameter of .5" (12.7 mm).
- 14-8 AWG (2.5-75mm2) wire.
- Nylon reinforced ABS plastic with stainless steel blade.
- Fully adjustable with simple thumb screw.
- Self-regulating to prevent nicking.
- Contoured finger grips for power cutting.

CAT. NO.	DESCRIPTION	WEIGHT
PA1116	Data SureStrip™	2.5 oz

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CST vario Stripper

PA3242

PA3240

- Most flexible coax stripping tool on the market.
- Easy to set up and adjust.
- Two- and three-level stripping.
- Minimum center-to-center strip length is 0.13" (3.2 mm).
- Maximum total strip length is 0.67" (17 mm).
- Adjustable blade positioning in 0.04" (1 mm) increments.
- Lifetime warranty on frame only.

*Not recommended for use on LMR or Teflon cables.

CAT. NO.	DESCRIPTION
PA3240	CST vario stripper
PA3242	Replacement blade holder, blades & allen hex key

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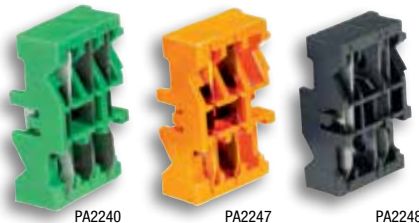
CST Strippers

- Fixed blade system that accommodates 0.1"-0.315" (2.5-8.0mm) cable diameters including RG58/59/62AU, RG6, RG6 Quad, RG174, Belden 1505A, 1855A and 8281.
- Cam adjustment ensures precise and repeatable hold on cable.
- Memory blocks reduce set-up time and are easy to interchange and mark for various applications.
- Blades are two-sided for longer use.
- No cable jacket distortion during stripping process.
- Blade cassettes easy to change.
- Lifetime warranty on frame only.

CAT. NO.	DESCRIPTION	COMMON USES
PA1240	CST Green - 3 Level (A=.279, B=.201)	Common 2- & 3-piece
PA2240	Green Blade Cassette only	
PA1243	CST Brown - 3 Level (A=.295, B=.137)	
PA2243	Brown Blade Cassette only	
PA1247	CST Orange - 3 Level (A=.327, B=.146)	Kings, Amphenol 3-piece
PA2247	Orange Blade Cassette only	
PA1248	CST Black - 3 Level (A=.344, B=.094)	ADC, Amphenol HDTV
PA2248	Black Blade Cassette only	
PA1250	CST Frame only	
PA2245	CST Memory Cartridge only	

Y-block – inserts into tool to tighten up rollers for smaller cable sizes

PA2245

PA2240   PA2247   PA2248

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CST Pro Coax Stripper

NEW PRODUCT

LIFETIME WARRANTY

- New patent-pending coax stripping system for precision & accuracy
- Works with a wide range of cable diameters from .1"-.315" (2.5-8.0mm) including: RG58/59/62AU, RG6/6QS, RG174, Belden 1505A, 1855A & 8281 and mini-coax.
- Pre-set for standard 2- and 3-level strip lengths
- Coax stripper designed for pros requiring precision, versatility & ease of use.
- Reversible-rollers easily adjust for various cable sizes including mini-coax.
- Dual roller mechanism perfectly centers cable & applies equal pressure to eliminate cable distortion.
- Quick-change pre-set blade cassettes.
- Cam adjustment ensures precise hold on cable.
- Fixed blade cassettes pre-set for standard 2- and 3-level strip lengths
- Interchangeable blades reduce set-up time.
- Lifetime warranty on frame only.

PA2284 Reversible Rollers

PA2282   3 Level   Blade Adjustment Screws

CAT. NO.	DESCRIPTION	COMMON USES
PA1280	CST Pro Green 3-level (A=.279, B=.201)	Common 2- & 3-piece
PA2280	Green Blade Cassette only	
PA1281	CST Pro Orange 3-level (A=.327, B=.146)	Kings, Amphenol RFX 3-piece
PA2281	Orange Blade Cassette only	
PA1282	CST Pro Black 3-level (A=.344, B=.094)	ADC, Kings, Amphenol HDTV, Mini's
PA2282	Black Blade Cassette only	
PA1283	CST Pro Blue 2-level (A=.250)	Standard RG6/6QS & RG59, CATV "F", Mini's
PA2283	Blue Blade Cassette only	
PA1285	CST Pro Frame only	
PA2284	CST Pro Rollers only	

LC CST Strippers

- Self-regulating tension.
- Adjust cutting depth on each blade for varying cable thicknesses with the included hex key.
- Pre-set for common strip lengths.
- Blades adjust for strip dimensions other than our standard pre-set units*.

SPECIFICATIONS	PRESET STRIP LENGTHS*	CABLE USAGE
LC CST-58/59	0.315" outer jacket 0.157" inner dielectric	RG58, RG59, RG62 AU & RG6
LC CST-11	0.315" outer jacket 0.157" inner dielectric	RG8, RG11 & RG213
LC CST CATV "F"	0.236" outer jacket	RG59, RG6 & RG6 QUAD CATV"F" (preset for RG6 CATV "F")
LC CST-Mini	0.344" outer jacket 0.094" inner dielectric	RG178, RG179, RG188, AT&T 735(A), NT735, Belden 1855A, Belden 8218, RG180, RG187, RG188A, RG405 and more

CAT. NO.	DESCRIPTION
PA1255	LC CST-58/59 – 2- & 3-Level, Adjustable
PA1256	LC CST-11 – 2- & 3--Level, Adjustable
PA1257	LC CST CATV "F" – 2-Level
PA1258	LC CST-Mini
R PA2263	Replacement Blade

*To adjust strip lengths simply change blade locations in the lower jaw to attain the following: .157" (4 mm), .236" (6 mm), .315" (8 mm), .394" (10 mm) and .472" (12 mm)

Not recommended for use on LMR or Teflon cables.

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Kwik Stripper Twisted Pair Stripper

- No tool is better for trimming the jacket from twisted pair cable without damaging the individual conductors.
- Blade depth adjustment ensures precise cutting depth.
- Blade penetration controlled by tension loop.
- Strip length gauge.

CAT. NO.	UPC NO.	DESCRIPTION
45579	45579	Kwik Stripper Twisted Pair Stripper

45579
Typically used for Modular Plug Connectors (See pages 297)

Pro Kwik Stripper CATV

NEW PRODUCT

- Designed for the professional CATV cable installer. Uses reversible stripping cartridges for RG6, RG59, RG11 and RG7 CATV cables that are replaceable.
- No adjustments needed.
- Included with the tool, the RG6/RG59 cartridge strips cable jacket and dielectric to 1/4" (6.4 mm).
- Included with the tool, the RG11/RG7 cartridge strips cable jacket and dielectric to 1/4" (6.4 mm).
- Extra-large finger hole.

CAT. NO.	UPC NO.	DESCRIPTION
45591	01174	Pro Kwik Stripper CATV

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AM 25 Slitter

- Strips and slits 0.18" to 1.0" (4.5-25mm) diameter Round Cables.
- Adjustable cutting depth.
- Swivel blade for circular, longitudinal and spiral cuts.
- Spare blade in handle.
- Cable holding clip with integrated edge for removing slit insulation.
- Laser-trimmed, stainless-steel blade for long use.
- Slits PVC, Teflon and THHN.
- Perfect for armored cable.

NOTE: Do not use on live circuits. Not for polyethylene, polypropylene or XLP insulations

CAT. NO.	DESCRIPTION
PA1820	AM 25
R PA2109	Replacement blade

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AM 35 Slitter

- Strips and slits 1.0" to 1.4" (25-35mm) diameter Round Cables.
- Adjustable cutting depth for insulation up to 0.18" (4.5 mm) thick.
- Swivel blade for circular, longitudinal and spiral cuts.
- Spare blade in handle.
- Cable holding clip with integrated edge for removing slit insulation.
- Laser-trimmed, stainless-steel blade for long use.
- Slits PVC, Teflon and THHN.

NOTE: Do not use on live circuits. Not for polyethylene, polypropylene or XLP insulations

CAT. NO.	DESCRIPTION
PA1821	AM 35
R PA2109	Replacement blade

Teflon® is a registered trademark of Dupont

Universal Slitter

- Strips and slits 0.18" to 1.0" (4.5-25mm) diameter Round Cables.
- Precision stripping and slitting of rubber, PVC, nylon and most insulation materials.
- Adjustable depth of cut.
- Swivel blade for circular, longitudinal and spiral cuts.
- Cable is supported during use.
- Cable support arm edge is used to pry off thick insulation.
- Laser-trimmed, stainless-steel blade for long use.
- A perfect tool for mid-point taps.
- Spare blade included.

NOTE: Do not use on live circuits. Not for polyethylene, polypropylene or XLP insulations

CAT. NO.	DESCRIPTION
PA1822	Universal splitter
R PA2109	Replacement blade

Pocket Cable Stripper

- Specifically designed for stripping power and telecommunications cables from 3/4" to 1-1/2" in diameter (19 mm to 40 mm).
- Strips solid conductor, stranded conductor and multiple conductor cables.
- Easy blade depth adjustment.
- Blade rotates for circular, longitudinal and spiral cuts.

	CAT. NO.	UPC NO.	DESCRIPTION
	1903	12679	Cable Stripping Tool
R	13544	13544	Replacement Blade (2 per package)
R	13545	13545	Replacement Small Hook
R	13546	13546	Replacement Large Hook

Cable TV "F" Flaring & Attachment Tool

- Flares RG59, RG6 and RG6 Quad Cable types.
- Works with CATV "F" connectors.
- Save time on cable TV and satellite installations.
- Flare the shield braid back from the dielectric without nicking your finger.
- Make connections faster and easier with properly prepped cable.
- Attachment tool enables you to hold the connector comfortably to insert onto cable.

CAT. NO.	DESCRIPTION
PA1927	Cable TV "F" Flaring & Attachment Tool

Coax 3-Way Tool

- Flares RG6 and RG6 Quad Cable types.
- Flares shield braid back from the dielectric without nicking your fingers.
- Attachment tool enables you to hold the connector comfortably to insert connector onto cable.
- Extraction tool to assist in coupling connector to port or to assist in uncoupling from port.
- Works with CATV "F" connectors.

CAT. NO.	DESCRIPTION
PA1928	Coax 3-Way Tool

RG59/RG6/RG6 Quad Flaring Tool

- Works on RG59 and RG6/6 Quad cable.
- Flares shield away from center dielectric.
- Saves time on CATV and satellite installation

CAT. NO.	DESCRIPTION
PA1917	RG59/6/6QS flaring tool

BNC and CATV "F" Extraction Tools

- Chrome finish.
- Comfortable driver-style plastic handle.
- 1908 CATV "F" is a combination tool. Use the hex socket to easily remove and insert the connectors. Use the threaded end to hold the connector while you insert cable for connectors. Helps to prevent finger injuries.

PA1907

PA1908

PA1916

CAT. NO.	DESCRIPTION
PA1908	CATV 8" (203 mm)
PA1907	BNC 8" (203 mm)
PA1916	BNC 12" (305 mm)

SealTite® ProM Coax Crimper

- Crimps weatherproof linear CATV "F", BNC, RCA & right- angle compression-type connectors from all manufacturers.
- Works with RG6, RG6 Quad, RG59 & RG62AU coax cables.
- Versatile tool - accommodates multiple connectors.
- The only tool with a single, reversible head eliminating need for adapters.
- No additional parts, attachments or other tools required to change from one crimp style to another.
- Quickly & easily adjust crimp height.
- Once properly set, lock with adjustment lock.
- Rated life cycle 30,000 (unloaded).

CAT. NO.	DESCRIPTION
PA1559	SealTite® ProM Coax Crimper

RG59/6Q-7/11 Pro Coax Compression Tool

NEW PRODUCT

- Versatile tool crimps RG59, RG6, RG6 Quad , RG 7/11, BNC and RCA Compression Connectors
- Cable holder rotates to accommodate different connector sizes
- Adjustable Crimp length accommodates most manufacturers' connectors
- Once adjusted, no additional parts or adapters are needed to change from one crimp style to another.

CAT. NO.	DESCRIPTION
PA70020	RG59/6Q-7/11 Pro Coax Compression Tool

SealTite® 59/6 CATV "F" Compression Crimper

LIFETIME G WARRANTY

- Performs compression crimping of waterproof CATV "F" connectors for RG59 and RG6/RG6 Quad 75 ohm coaxial cables.
- Works on Augat/T&B Snap-N-Seal™ connectors, AIM CATV "F" waterproof connectors and Paladin SealTite™ connectors.
- Fully ratcheting one-cycle crimp function.

CAT. NO.	DESCRIPTION
PA901024	SealTite® Crimper

SealTite® Cable TV "F" Compression Connectors

- Large hex nut for easy installations.
- Patented design with 360º cable gripping sleeve.
- Solid brass construction with nickel plating to prevent UV degradation.

DESCRIPTION	RG59 CAT. NO.	RG6 & RG6 Quad CAT. NO.	RG6 Quad CAT. NO.
10 Pack Clamshell	PA9642	PA9643	PA9644
20 Pack Clamshell	PA9610	PA9611	PA9612
50 Pack Jar	PA9645	PA9646	PA9647
100 Pack Bulk	N/A	PA9614*	PA9615

*Also available in retail jar pack, PA9687.

SealTite® RCA Compression Connectors

- Patented design with 360º cable gripping sleeve.
- Full gold contacts for low signal loss.
- Includes slip-on color bands for easy cable identification.
- A set of bands includes 4 red, 2 green, 2 blue, 2 yellow and 2 white per ten connectors.
- Constructed from solid brass with nickel plating.

DESCRIPTION	RG59 CAT. NO.	RG6 & RG6 Quad CAT. NO.
10 Pack Clamshell	PA9720	PA9714
50 Pack Jar	PA9721	PA9716

SealTite® BNC Compression Connectors

- Patented design with 360º cable gripping sleeve.
- Full gold contacts for low signal loss.
- Includes slip-on color bands for easy cable identification.
- A set of bands includes 4 red, 2 green, 2 blue, 2 yellow and 2 white per ten connectors.
- Constructed from solid brass with nickel plating.

DESCRIPTION	RG59 CAT. NO.	RG6 & RG6 Quad CAT. NO.
10 Pack Clamshell	PA9730	PA9715
50 Pack Jar	PA9731	PA9740

Hex Crimp Cable TV "F" Connectors

- Crimp-on style cable TV "F" connectors.
- All-brass with nickel plating for durability.
- Designed for indoor use.

DESCRIPTION	RG59 CAT. NO.	RG6 CAT. NO.	RG6 Quad CAT. NO.
10 Pack Clamshell	PA9676	PA9677	PA9678

Twist-On Cable TV "F" Connectors

- Connectors twist onto cable for quick installation.
- Sharp threads firmly grip cable for good connections.
- EZ-SPIN™ hex nut for easy installation.

DESCRIPTION	RG59 CAT. NO.	RG6 CAT. NO.
10 Pack Clamshell	PA9694	PA9695

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Push-On Cable TV "F" Connectors

- No crimp tool required. Simply strip cable and push connector onto it.
- Special knurled nut offers superior grip for strong connection.
- All brass, nickel-plated for durability and low signal loss.
- For indoor usage only.

DESCRIPTION	RG59 CAT. NO.	RG6 CAT. NO.
10 Pack Clamshell	PA9682	PA9683

Other Coaxial Connectors

PA9719   PA901074

Connect CATV "F" cables to RCA plugs.

- Eliminate the need for new cabling
- Solid brass with nickel plate
- 75 ohm rating

CAT. NO.	DESCRIPTION
PA9719	Adapter, CATV "F" (female) to RCA (male) (Qty. 10)
A901074	Adapter, CATV "F" (female) to BNC (male) (Qty.1)

Dual Port Ground Block

- Provides a positive ground connection between two coaxial shields and the ground wire.
- Creates a connection for the dissipation of any unwanted electrical charges.
- Solid nickel plated zinc alloy.
- High-performance, 360º contact, for up to 3.0 GHz.
- Suitable for satellite or cable TV.
- UL/CSA approved.

CAT. NO.	DESCRIPTION
PA9675	Dual Port Grounding Block

Cable TV "F" Terminators

- Solid brass body with nickel plating.
- ½ watt resistor (5% tolerance); 75 ohm.

CAT. NO.	DESCRIPTION
PA9686	CATV "F" Terminators (10)

Female Splice Adapter

- Cable TV "F" female-to-female barrel adapter.
- Designed for performance up to 3.0 GHz.
- Gold-plated contacts.
- 2 pack.

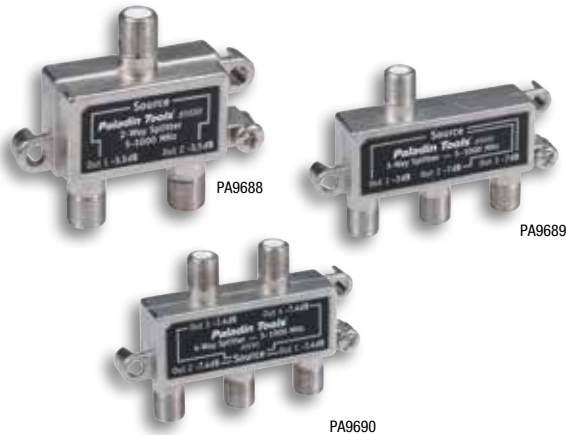| CAT. NO.	DESCRIPTION
PA9675	Female Splice Adapter

BNC Coaxial Adapter

- Precision manufactured from machined brass and nickel plated for corrosion resistance.

CAT. NO.	DESCRIPTION
45728	BNC Straight Jack to Jack (1)

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Cable TV Splitters

PA9688

PA9689

PA9690

- Split analog and digital cable TV signals to 2 to 4 outlets.
- HDTV compatible and works with cable modems.
- 75 ohm impedence.
- 5-1000 MHz bandwith.
- "F"-style female ports.

CAT. NO.	DESCRIPTION
PA9688	2-Way Cable TV Splitter
PA9689	3-Way Cable TV Splitter
PA9690	4-Way Cable TV Splitter

Satellite TV Splitters

PA9669

PA9670

PA9671

- Split satellite and digital signals to multiple outlets.
- Compatible with most digital satellite brands, digital cable TV and HDTV.
- 75 ohm impedence.
- 5-2400 MHz bandwith.
- "F"-style female ports.

CAT. NO.	DESCRIPTION
PA9669	2-Way Satellite TV Splitter
PA9670	3-Way Satellite TV Splitter
PA9671	4-Way Satellite TV Splitter

Satellite Diplexer

- Combines signal from satellite dish and UHF/VHF antenna into single coax cable output.
- 5-860 MHz antenna and 950-2450 satellite power pass.
- For RG6 or RG6 Quad.
- An additional diplexer can be used to split signals again for connection to satellite and antenna ports on receivers.
- Diplexed signals can be distributed through an amplifier to send signal to multiple outlets.

CAT. NO.	DESCRIPTION
PA9673	Satellite Diplexer

In-Line Amplifier

- Boost signals to multiple outlets or on long cable runs.
- Works with satellite dish or terrestrial antenna installations with over 50' of cable.
- Digital TV ready.
- 20 dB gain.
- DC 12-18V.
- 950-2400 MHz maximum bandwidth.

CAT. NO.	DESCRIPTION
PA9672	In-Line Amplifier

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SurePunch® Pro Punchdown Tool

LIFETIME G WARRANTY

- Terminate cable in single punch - including 23 AWG Cat6.
- Detachable light with long-life LED specially designed to focus the light on the panel work area.
- Luminous intesity of the LED is 2200 mcd.
- Finger grips and non-slip rubber-embedded cushioned handle for comfort.
- Multi-use spudger that can be used as a screwdriver or an IDC contact insertion tool.
- Hook to feed wires through holes.
- Pick to separate bonded twisted-pair cables or to strip insulation and cut wire.
- Adjustable HI/LO spring compression for all cable types.
  LO= 27.5 lbs (122 N), HI= 37.5 lbs (167 N)
- Uses twist-and-lock style blades.
- Blade storage area in end of handle with comfortable latch cover.

CAT. NO.	DESCRIPTION
	Tools with lights
PA3590	SurePunch *Pro* PDT handle (no blade) and light
PA3584	SurePunch *Pro* PDT with Double 110 blade and light
PA3587	SurePunch *Pro* PDT with 110 & 66 reversible cut & punch/punch-only blades and light
PA3588	SurePunch *Pro* PDT with 1110/66 combination cut-only blade and light
PA3596	SurePunch *Pro* PDT with 110 reversible cut & punch/punch-only blade and light
PA3597	SurePunch *Pro* PDT with 66 reversible cut & punch/punch-only blade and light
PA3598	SurePunch *Pro* PDT with BIX™ cut-only (scissors type) blade and light
PA3599	SurePunch *Pro* PDT with Krone® LSA cut-only (scissors type) blade and light
	Tools without lights
PA3589	SurePunch *Pro* PDT handle (no blade)
PA3585	SurePunch *Pro* PDT with Double 110 blade
PA3586	SurePunch *Pro* PDT with 110 & 66 reversible cut & punch/punch-only blades
PA3591	SurePunch *Pro* PDT with 1110/66 combination cut-only blade
PA3592	SurePunch *Pro* PDT with 110 reversible cut & punch/punch-only blade
PA3593	SurePunch *Pro* PDT with 66 reversible cut & punch/ punch-only blade
PA3594	SurePunch *Pro* PDT with BIX™ cut-only (scissors type) blade
PA3595	SurePunch *Pro* PDT with Krone® LSA cut-only (scissors type) blade
PA4599	SurePunch *Pro* PDT detachable light and batteries

SurePunch® Punchdown Tools

- Cushion grip, molded to the shape of your hand, for comfort and a sure, non-slip hold.
- Increased HI/LO impact force to meet demands of new cable types and AWG sizes: LO= 30 lbs (133 N), HI= 40 lbs (178 N).
- For 28-22 AWG (0.08 - 0.34 mm2), solid or stranded wire.
- Uses twist-and-lock style blades.
- Cushioned heel for comfort in the palm of your hand.
- New latch cover blade storage area in end of handle.
- Lanyard holes in end.

PA4591 PA4573 PA6514 PA4571 PA4574 PA4572 PA4575 PA6515

CAT. NO.	DESCRIPTION
PA3570	SurePunch PDT handle (no blade)
PA3571	SurePunch PDT with 110/66 combination cut-only blade
PA3572	SurePunch PDT with 110 reversible cut & punch/punch-only blade
PA3573	SurePunch PDT with 66 reversible cut & punch/punch-only blade
PA3574	SurePunch PDT with BIX™ cut-only (scissors type) blade
PA3575	SurePunch PDT with Krone® :SA (scissors type) blade
PA3576	SurePunch PDT with Double - 110 blade
PA3579	SurePunch PDT with both 110 and 66 reversible cut & punch/punch-only blades
R PA4571	SurePunch 110/66 combination cut-only blade
R PA4572	SurePunch 110 reversible blade
R PA4573	SurePunch 66 reversible blade
R PA4574	SurePunch BIX™ cut-only blade
R PA4575	SurePunch Krone® LSA cut-only blade
R PA4591	SurePunch Double - 110 blade
PA6514	Telephone Unwrap Bit
PA6515	Telephone Wrap Bit

Impact Punchdown Tools

PA3528

PA4527 PA4528 PA4529 PA4530 PA4531

- For 28-24 AWG Solid or Stranded conductor.
- Standard impact compression design.
- Adjustable HI/LO settings for compression force.
- Impact force: HI= 35 lbs. (110 N), LO= 25 lbs. (155 N).
- Reversible clip-in blades (except BIX & Krone).
- Punches down with or without cut function (except BIX & Krone).
- Spare blade stores in handle of tool (except BIX & Krone).
- Impact handle and blades available separately.
- Leather holster available to attach to belt.

CAT. NO.	DESCRIPTION
PA3526	Impact punchdown (tool handle only)
PA3527	Impact punchdown w/66 blade
PA3528	Impact punchdown w/110 blade
R PA4527	Replacement 66 blade
R PA4528	Replacement 110 blade
R PA4531	Replacement Krone®-type blade

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Punchdown Tool

- Inserts wire for a corrosion-resistant termination and trims off excess wire.
- Terminates 66, 110, BIX and Krone cross-connect and wall jacks.
- Spring-loaded for fast, low-effort wire seating and termination.
- Internal impact mechanism eliminates jamming for longer, trouble-free service life.
- Adjustable low- and high-impact force settings.
- Bayonet-style blade locking mechanism.
- Neoprene pad for shock absorption.
- Spare blade storage in the handle.
- Color-coded yellow on the cut side of tool.

46023

	CAT. NO.	UPC NO.	DESCRIPTION
	46020	46020	Punchdown Tool Only
	46021	46021	Punchdown Tool w/66 Blade
	46023	46023	Punchdown Tool w/110 Blade
R	46022	46022	66 Style Blade
R	46024	46024	110 Style Blade
R	46025	46025	BIX Style Blade

ProPunch™ 110 Multi-pair Punchdown

LIFETIME WARRANTY

Terminates and cuts up to five pairs of data/voice cable at the same time! We designed it to perform over 30,000 cycle punches and to terminate most 23 AWG cable pairs in one punch! This tool delivers more than one and a half times the force of other multi-punchdown tools on the market today. The rugged "no-slip" handle fits comfortably in your hand with the handle end contoured to the heel of your hand.

- Fewer punches saves time.
- Smooth operation and rugged, comfortable handle absorbs punch recoil.
- Terminates 28-22 AWG (.08 - .34 mm2) solid or stranded wires with single insulation.
- Cut and punch blade cassette or switch blades for punch only.
- Designed to work with 23 AWG CAT 6 cable.

	CAT. NO.	DESCRIPTION
	PA3560	ProPunch 110 with 5-pair head
	PA3561	ProPunch 110 with 4-pair head
R	PA4560	Replacement 5-pair head
R	PA4561	Replacement 4-pair head
R	PA4562	Replacement 5-pair blade cassette
R	PA4563	Replacement 4-pair blade cassette

Non-Impact Punchdown Tools with Fixed Blades

PA3580

PA3581

PA3582

- Non-impact, low-cost punchdown tools for 110, 66 & BIX.
- Works with 28-22 AWG (.08 - .5 mm2).
- Solid or stranded, single insulation wire.
- Comfortable rubber handle grip.
- Performs both cut and punch functions.
- Perfect for small jobs and the do-it-yourself installer.
- Fits in the palm of your hand.
- Typically lower in cost than replacement blades for punchdown tools.

CAT. NO.	DESCRIPTION	WEIGHT
PA3580	110 Punchdown Tool	3 oz
PA3581	66 Punchdown Tool	3 oz
PA3582	BIX™ Punchdown Tool	3 oz

Punchdown Stripper

- Self-regulating strip depth.
- Fast and easy to use.
- Great for CAT-5, CAT-5e, and CAT-6 data cable.
- Built-in 110 punchdown (punch only).

CAT. NO.	DESCRIPTION	WEIGHT
PA1913	Punchdown stripper	2 oz

Pocket Probe Pick

open

closed
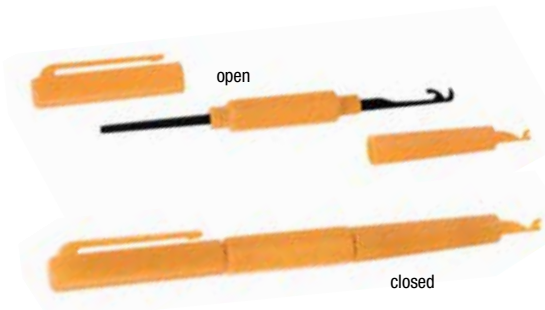
Probe pick for pulling wire, slicing, stripping cable and cleaning debris off terminal panels. Small and lightweight—pen-sized with clip for carrying in pocket.
- Spudger tip.
- Wire hook.
- Wire stripper and slitting tooth.
- Non-conductive scraping tip.

CAT. NO.	DESCRIPTION	WEIGHT
PA1915	Pocket probe pick	3 oz

Can Wrench

- Strips PVC insulation.
- Strips outer jacket of AWG 22/4 and 24/4 telephone cable.
- Strips insulation of AWG 22 (.34 mm2) and AWG 24 (.20 mm2) wire.
- 3/8" (9.5 mm) and 7/16" (11 mm) hex sockets for accessing panels.
- Durable shock-resistant design.

CAT. NO.	DESCRIPTION: HEAVY DUTY KEYSTONE TIP-	WEIGHT
PA1900	Can Wrench	5 oz

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Jack Terminator

NEW PRODUCT

- High-grade, hardened steel frame offers superior performance and durability.
- Ratcheted action to ensure proper, consistent termination.
- Adjustment feature for extra leverage applications.
- Quick-change punch sets require no tools.
- Removable jack cradle allows for alternate lacing option.
- Punch heads can be purchased separately.
- Rubber-embedded handles provide extra comfort.
- For use with Modular Jacks listed below including CommScope® (Systimax®, Uniprise®), Leviton®, OCC®, HellermannTyton®, Hubbell®Premise Wiring and Legrand® (Ortronics®).
- Lifetime Warranty (crimper frame only).

SPECIFICATIONS

Specifications	Pa8100	General Jack Terminator™ With Punch Down Head-Set	General Punchdown Head-Set	General Punch Head Only
Length	9.6" (245 mm)	9.75" (248 mm)	1.6" (40 mm)	1" (26 mm)
Height	3.25" (80 mm)	4" (102 mm)	4" (102 mm)	2.1" (55 mm)
Width	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)
Weight	1.25 lbs (575 g)	1.4 lbs (652 g)	2 oz (54 g)	0.8 oz (23 g)

	CAT. NO.	DESCRIPTION	JACK COMPABILITY
	PA8100	Jack Terminator™ Crimper Frame	Punchdown Head Set not Included
	PA8105	Jack Terminator™ with Punchdown Head-Set	Systimax® - MPS100E, Uniprise® UNJ600/500
R	PA3711	Replacement Punchdown Head-Set	Systimax® - MPS100E, Uniprise® UNJ600/500
R	PA3811	Replacement Punch Head Only	Systimax® - MPS100E, Uniprise® UNJ600/500
	PA8106	Jack Terminator™ with Punchdown Head-Set	Systimax® - MGS400, MGS500, MGS600
	PA3712	Replacement Punchdown Head-Set	Systimax® - MGS400, MGS500, MGS600
	PA3812	Replacement Punch Head Only	Systimax® - MGS400, MGS500, MGS600
	PA8107	Jack Terminator™ with Punchdown Head-Set	Leviton® - 41106, 41108, 5G108
	PA3713	Replacement Punchdown Head-Set	Leviton® - 41106, 41108, 5G108
	PA3813	Replacement Punch Head Only	Leviton® - 41106, 41108, 5G108
	PA8108	Jack Terminator™ with Punchdown Head-Set	Leviton® - 61110, 5G110, 6110G
	PA3714	Replacement Punchdown Head-Set	Leviton® - 61110, 5G110, 6110G
	PA3814	Replacement Punch Head Only	Leviton® - 61110, 5G110, 6110G
	PA8109	Jack Terminator™ with Punchdown Head-Set	OCC® - KMJA5E, KMJA6, K6A
	PA3715	Replacement Punchdown Head-Set	OCC® - KMJA5E, KMJA6, K6A
	PA3815	Replacement Punch Head Only	OCC® - KMJA5E, KMJA6, K6A
	PA8110	Jack Terminator™ with Punchdown Head-Set	HellermannTyton® - RJ45FC5E, RJ45FC6
	PA3716	Replacement Punchdown Head-Set	HellermannTyton® - RJ45FC5E, RJ45FC6
	PA3816	Replacement Punch Head Only	HellermannTyton® - RJ45FC5E, RJ45FC6
	PA8111	Jack Terminator™ with Punchdown Head-Set	Hubbell® - HXJ Series
	PA3717	Replacement Punchdown Head-Set	Hubbell® - HXJ Series
	PA3817	Replacement Punch Head Only	Hubbell® - HXJ Series
	PA8112	Jack Terminator™ with Punchdown Head-Set	Ortronics® - TJ5E00, TJ600, TJ610
	PA3718	Replacement Punchdown Head-Set	Ortronics® - TJ5E00, TJ600, TJ610
	PA3818	Replacement Punch Head Only	Ortronics® - TJ5E00, TJ600, TJ610

All-in-One UTP Snagless Crimper

- Cuts and strips round or flat cable.
- All metal construction.
- Cushion grips for improved comfort and control.
- For standard and "snagless" RJ45 connectors.
- Also crimps RJ11/22 and RJ22 WE/SS style plugs.

CAT. NO.	DESCRIPTION
PA1561	All-in-One UTP Snagless Crimper

All-in-One Ultra Telephone Tools

PA901014

- 4 crimp functions with a single tool without changing dies.
- Crimps 4-position RJ22 handset.
- Crimps 4- and 6-position RJ11/RJ12 connectors.
- Crimps 8-position RJ45 (non-keyed).
- Embedded cable cutter and stripper.
- Crimps 28-24 AWG (.08 - .20 mm2) telephone and data cables
- Advanced ratchet system.
- Precision die-cast aluminum head.
- Crimps 6-position RJ11-DEC offset type connectors (P/N 901014).

CAT. NO.	DESCRIPTION
PA901014	All-in-One Ultra Telephone Tool AMP (Tyco)
PA901016	All-in-One Ultra Telephone Tool (WE/SS)
Ⓡ PA2530	Replacement blade kit

All-in-One Pro Telephone Tools

- Crimps 4-position RJ22 connectors.
- Crimps 4- and 6-position RJ11/RJ12 connectors.
- Crimps 8-position RJ45 (non-keyed) connectors.
- Embedded cable cutter and stripper.
- Crimps 28-24 AWG (.08 - .20 mm2) telephone and data cables.
- Comfortable rubber-embedded handles.
- Built-in safety ratchet release.

PA1530R

CAT. NO.	DESCRIPTION
PA1540	All-in-One Pro Telephone Tool AMP (Tyco)
PA1530R	All-in-One Pro Telephone Tool (WE/SS)
Ⓡ PA2530	Replacement blade kit

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Telephone Ratchet Crimper

• Combination tool terminates 8-position, 6-position and 4-position (45575 only) modular style plugs.
• No need to change crimping dies.
• Full-cycle ratchet mechanism provides consistent, quality terminations every cycle.
• Straight action ensures uniform crimp.
• Small, compact design.
• Built-in wire cutter and stripper for flat cable.
• All-steel frame has rust-resistant, black oxide finish.

45553
Typically used for Modular Plug Connectors (See page 297).

CAT. NO.	UPC NO.	DESCRIPTION
45553	45553	Telephone Ratchet Crimper
45575	45575	Telephone Ratchet Crimper

45575
Typically used for Modular Plug Connectors (See page 297). Our Telephone Ratchet Crimper was designed with a compact head to fit into tight spaces and ergonomic handles for operator comfort.

Modular Plug Connectors

RJ45

SNAGLESS

RJ11

RJ45
• RJ45 8-conductor modular plugs.
• 50 micron gold plating.
• Meets or exceeds EIA/TIA specifications.

RJ11
• RJ11 6-conductor modular plugs.
• For use with stranded wire.
• 50 micron gold plating.

WE/SS-STYLE 8P8C CONNECTORS

CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.
RJ45	Cat5e, Solid or Stranded Round, Flat or Oval	10/Pack 50/Pack 100/Pack	PA9546 PA9655 PA9549
RJ45	Cat3, Stranded, Round	10/Pack	PA9521

SNAGLESS CONNECTORS

CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.
RJ45	Solid or Stranded Round, Flat or Oval	10/Pack 40/Pack	PA9588 PA9589

WE/SS-STYLE 6P6C CONNECTORS

		DESCRIPTION	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.
RJ11	Solid or Stranded Round, Flat or Oval	10/Pack	PA9520

CrimpALL® 8000 Series Crimpers

- Ultra-smooth, fully ratcheting crimp cycle with built-in safety release.
- Interchangeable die sets of heat-treated steel for long life.
- Soft, rubber-embedded handles.
- Long-lasting tool that delivers over 50,000 crimp cycles.
- Rugged, double-plated jaw design to increase life span.
- Lifetime warranty on tool; one-year on die sets.
- Angled head to prevent awkward wrist bending during operation.
- Reduced handle grip distance makes it easy for both small and large hands.
- Higher crimp force produced with less hand force so hand doesn't tire as quickly.
- No breakover hand force – the effort required by most crimpers to make the last click at the end of the cycle to complete the crimp – the CrimpALL does the work.
- Manufactured using the newest fine blanking technologies.
- EZI-Change™ die screws make changing dies quick and easy – no screwdriver required.

| CAT. NO.	DESCRIPTION
PA8000	CrimpALL® tool frame
ℝ PA2303	Replacement EZI-Change™ die screws (2)
ℝ PA2306	Replacement fixed die screws (2)

1300 Series Crimpers

- Fully-ratcheting cycle with built-in safety release.
- Interchangeable die sets of heat-treated steel for long life.
- Easy to use and maintain.
- Available as complete tool with die set inserted or separate tool frame and individual die sets.
- Foam-lined case available to hold frame and 6 die sets together.
- Lifetime warranty on tool; one-year on die sets.
- EZI-Change™ die screws make changing dies quick and easy – no screwdriver required.
- Most precise and tightest tolerances on die sets in the industry.
- Six ratchet gear settings for optimum crimp performance.

CAT. NO.	DESCRIPTION
PA1302	Crimp tool frame
ℝ PA2303	Replacement EZI-Change™ die screws (2)
ℝ PA2306	Replacement fixed die screws (2)
PA901013	1300 crimp case
ℝ PA2346	Replacement Spring

CrimpALL® Interchangeable Die Sets for Coaxial Connectors

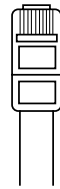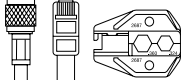| DESCRIPTION			CAT. NO.	CAT. NO.	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
RG58, RG59, RG62AU	BNC/TNC and 3 Piece	0.256" (6.5mm, 0.213" (5.4mm), 0.068" (1.7mm) HEX	PA8001 PA1317	PA2034	Common 2-piece and 3-piece BNC/TNC
RG174, RG59/62, mini-coaxial 75-ohm	HDTV SMA, True 75-ohm BNC/TNC, Mini-UHF	0.255" (6.5mm), 0.197" (5.0mm), 0.178" (4.5mm), 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ	PA8002 PA1366	PA2648	Common 2-piece and 3-piece BNC/TNC (Kings, ADC, Amphenol, etc.)
RG59, RG6, Belden 8281, Belden 1694A	HDTV BNC/TNC/CATV "f" True 75-ohm	0.324" (8.2mm), 0.255" (6.5mm), 0.068" (1.7mm) HEX & 0.052" (1.3mm), 0.042" (1.0mm) SQ	PA8003 PA1367	PA2649	Common 2-piece and 3-piece BNC/TNC (Kings, ADC, Amphenol, etc.)
RG6, Belden 1694, Bleden 1694A	HDTV BNC/TNC True 75-ohm	0.278" (7.0mm), 0.275" (6.9mm), 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ	PA8004 PA1368	PA2657	Common 3-piece BNC/TNC (Kings & ADC HDTV)
RG58, Mini-59, RG-174, small coaxial	SMA, SMB, Mini-59 BNC/TNC, Mini-UHF	0.128" (3.2mm), 0.213" (5.4mm), 0.197" (5.0mm), 0.178" (4.5mm), 0.068" (1.7mm) HEX & 0.042"(1.0mm) SQ	PA8005 PA1363	PA2653	Common 2-piece and 3-piece SMA/SMB/BNC/TNC & Mini-UHF
RG58, RG174, AT&T 735, 50 and 75-ohm	Thinnet, BNC/TNC, Mini-UHF	0.213" (5.4mm), 0.178" (4.5mm) 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ	PA8006 PA1335	PA2046	50/75 ohm small 2-piece & 3-piece BNC/TNC (Kings, ADC, etc.)
RG59, RG62, Belden 8281, 50 and 75-ohm	BNC/TNC and Mini-UHF	0.315" (8.0mm), 0.252" (6.4mm), 0.068" (1.7mm), HEX 0.042" (1.0mm) SQ	PA8007 PA1336	PA2047	75 ohm 2-piece & 3-piece BNC/TNC (Kings, ADC, Amphenol, etc.)
RG174, RG179 and Small Cable Connection	BNC/TNC	0.178" (4.5mm), 0.128" (3.2mm), 0.068" (1.7mm) HEX	PA8008 PA1338	PA2051	Common 2-piece and 3-piece BNC/TNC/SMA/SMB
RG58, RG59, RG62AU, RG6 Teflon/Plenum	BNC/TNC	0.325" (8.2mm), 0.215" (5.46mm), 0.065" (1.7mm) HEX	PA8009 PA1347	PA2075	2-piece and 3-piece BNC/TNC AIM/Cambridge
RG6, RG58	BNC/TNC	0.320" (8.13mm), 0.210" (5.33mm), 0.185" (4.7mm) HEX	PA8010 PA1348	PA2076	2-piece BNC/TNC AIM/Cambridge, Kings, Amphenol
Belden 1694A, Belen 1695A	BNC/TNC	0.315" (8.0mm), 0.68" (1.7mm) HEX	PA8011 PA1349	PA2082	Common 2-piece and 3-piece BNC/TNC
RG6 and RG6 Quad, Belden 1694A	BNC and CATV "F" Type & HDTV	0.360" (9.1mm), 0.324" (8.2mm), 0.068" (1.7mm) HEX	PA8012 PA1356	PA2045	Common 2-piece and 3-piece BNC/TNC and CATV "F" 2-piece
RG59, RG6 Video Cable	CATV "F" Type	0.346" (8.8mm)m 0.319" (8.2mm), 0.256" (6.5mm) HEX	PA8013 PA1328	PA2042	Crimps Ferrules or Sleeves Only
RG8, RG11, RG213	N-Type	0.429" (10.9mm), 0.100" (2.54mm), 0.080" (2.03mm) HEX	PA8014 PA1365	PA2656	Common 2-piece and 3-piece "N"-Type (Kings, ADC, Amphenol, etc.)
RG8, RG11, RG213, RG216	N-Type, MS39012 Type	0.415" (10.5mm), 0.095" (2.4mm) HEX	PA8015 PA1319	PA2039	Crimps Pins and Ferrules
RG8, RG213	BNC/TNC	0.402" (10.2mm), 0.094" (2.4mm), 0.079" (2.0mm) HEX	PA8016 PA1337	PA2050	Common 2-piece and 3-piece BNC/TNC
Belden 1855A, 1865A, 1505A, 1505F, 1694A, 1694F, 179DT	HDYV BNC/TNC True 75-ohm	0.178" (4.5mm), 0.255" (6.5mm), 0.278" (7.0mm), 0.068" (1.7mm), 0.041" (1.0) HEX	PA8049 PA1389	PA2699	Kings, ADC, B&L, Trompeter, Amphenol, Switchcraft

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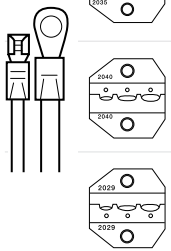
CrimpALL® Interchangeable Die Sets for Modular Plugs

DESCRIPTION			CAT. NO.	CAT. NO.	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
RJ45 - 8P8C (8 Pin)	Flat/Round, Solid/Stranded	RJ45 Unkeyed WE and SS	PA8030 PA1307	PA2061	Western Electric (WE)/Stewart Connector (SS)
RJ11 & RJ12 - 6P6C, 6P4C, 6P2C	Flat/Round, Solid/Stranded	RJ11 & RJ12 Unkeyed WE and SS	PA8031 PA1340	PA2062	Western Electric (WE)/Stewart Connector (SS)
RJ22 Handset - 4P4C (4 Pin)	Flat/Round, Solid/Stranded	4 Pin Handset WE and SS	PA8032	PA2063	Western Electric (WE)/Stewart Connector (SS)
RJ45 - 8P8C (8 Pin)	Flat/Round, Solid/Stranded	RJ45 Unkeyed AMP	PA8033 PA1342	PA2064	AMP (Tyco) Inc. Connectors Only
RJ11 & RJ12 (6P6C, 6P4C, 6P2C)	Flat/Round, Solid/Stranded	RJ11 & RJ12 Unkeyed AMP	PA8034	PA2065	AMP (Tyco) Inc. Connectors Only
RJ11 DEC-MMJ OFFSET-6P6C	Flat/Round, Solid/Stranded	RJ11 DEC/MMJ OFFSET	PA8035 PA1344	PA2067	AMP (Tyco) Inc. Connectors Only
RJ50 - 10P10C (10 Pin)	Flat/Round, Solid/Stranded	RJ50 Unkeyed WE and SS	PA8036 PA1345	PA2068	Virginia Plastics (VP)
British Telecom 6 Pole Plug	Flat/Round, Solid/Stranded	BT 6 Pole		PA2032	British Telecom Plugs Only
RJ45, Hirose Connectors, Short Body	Rounded, Shielded (STP)	RJ45 STP Hirose Connectors, Short Body		PA2672	Hirose
RJ45, Molex Connectors for 5.0 dia. Cable	5.0mm Dia. Round, Shielded (STP)	RJ45 STP Molex Connectors, 5.0mm dia. cable	PA1373	PA2673	Molex
RJ45, AMP/Molex Connectors for dia. Cable	6.0mm Dia. Round, Shielded (STP)	RJ45 STP AMP & Molex, 6.0mm dia. cable		PA2674	AMP (Tyco) Inc. & Molex
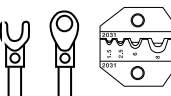
CrimpALL® Interchangeable Die Sets for Specialty Crimpers

DESCRIPTION			CAT. NO.	CAT. NO.	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
RJ45 WE/SS & RG6/RG6 Quad CATV "F"	UTP 4-Pair & RG6/RG6 Quad	RJ45 WE/SS 8-pin & 0.360" (9.1mm) HEX/0.324" (8.2mm) HEX	PA8045 PA1387	PA2687	For standard RJ45 WE/SS Modular Plugs & 1-piece RG6/RG6 Quad CATV "F" conns.
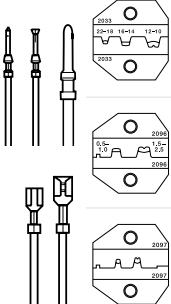
CrimpALL® Interchangeable Die Sets for Insulated Terminal Crimpers

		DESCRIPTION		CAT. NO.	CAT. NO.	
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
	Insulated Terminals and Lugs	Solid or Stranded Wire, 22-10 AWG (.34 - 6 mm^2)	12-10 (Yellow), 16-14 (Blue), 22-18 (Red), (6-4 / 2.5 - 1.5 / .34 - .75 mm^2)	PA8021 PA1305	PA2035	For Large Professional Terminals (Panduit, T & B, etc.)
	Insulated Terminals and Lugs	Solid or Stranded Wire, 22-12 AWG (.34 - 4 mm^2)	12-10 (Yellow), 16-14 (Blue), 22-18 (Red), (4/1.5 - 2.5 / .34 - .75 mm^2)	PA8022 PA1308	PA2040	For Standard Commercial Terminals (Hardware Store Brands)
	Insulated Terminals and Lugs	Solid or Stranded Wire, 26-14 AWG (.10 - 2.5 mm^2)	16-14 (Blue), 22-18 (Red), 22-26 (Yellow) (1.5 - 2.5 / .34 - .75 / .34 - .10 mm^2)	PA8023 PA1334	PA2029	For Smaller Wire Barrel Terminals
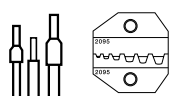
CrimpALL® Interchangeable Die Sets for Non-Insulated Terminal Crimpers

		DESCRIPTION		CAT. NO.	CAT. NO.	
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
	Non-Insulated Terminals and Lugs	Solid or Stranded Wire, 22-8 AWG (.34 - .10 mm2)	10-8 / 14-12 / 18-16 / 22-20 (6 - 10 / 2.5 - 4 / .75 - 1.5 / .34 - .50 mm2)	PA8024 PA1322	PA2031	For Standard Commercial Terminals

CrimpALL® Interchangeable Die Sets for Open Barrel, Box and Terminal Systems

		DESCRIPTION		CAT. NO.	CAT. NO.	
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
	Open Barrel Non-Insulated Terminals, Narrow Lugs and Power Contacts	Solid or Stranded Wire, 22-10 AWG (.34 - 6 mm^2), F Type*	22-18 / 16-14 / 12-10 (.34 - .75 / 1.5 - 2.5 / 4-6 mm^2)	PA8026 PA1306	PA2033	For Standard Commercial Terminals
	Open Barrel Non-Insulated Terminals, Wide Lugs and Power Contacts	Solid or Stranded Wire, 22-14 AWG (.34 - 2.5 mm^2), F Type*	16-14 / 22-18 (1.5 - 2.5 / .34 - .75 mm^2)	PA8027	PA2096	For Standard Commercial Terminals
	Open Barrel D-Sub Contact Pins RS-232	Solid or Stranded Wire, 28-20 AWG (.08 - .50 mm^2), F Type*	28-24 / 22-20 (.08 - .2 / .34 - .5 mm^2)	PA8029 PA1359	PA2097	For Standard D-sub Pins Only; not for HD D-subs

CrimpALL® Interchangeable Die Sets for Wire Ferrules

		DESCRIPTION		CAT. NO.	CAT. NO.	
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	REMARKS
	Insulated & Non-Insulated Wire Ferruls	Solid or Stranded Wire, 22-10 AWG (.34 - 6 mm2)	22-20 / 18-16 / 14-12 / 10 (.34 - .55 / .75 - 1.5 / 2.5 - 4 / 6 mm2)	PA8025 PA1360	PA2095	For DIN or US Type Wire Ferrules

D-sub Indent Crimpers

- Adjustable Pin Height Locator
- Cushion Grips for comfort.

CAT. NO.	DESCRIPTION
PA1460	D-sub 4 Indent Crimper 26-20 AWG
PA1461	D-sub 4 Indent Crimper 20-12 AWG
PA1462	D-sub 8 Indent Crimper 26-20 AWG

Electrical Terminal Crimper

- D-sub Pins & Sockets 26-28 AWG.
- Butt-Insulated Connectors 22-26 AWG.
- Telephone Piercing Spade Lugs 22-26 AWG.
- Open Barrel Connectors 14-18, 20-22 AWG.

CAT. NO.	DESCRIPTION
PA1176	Multi-Purpose Electrical Terminal Crimper

EDAC/ELCO Crimper

Crimp tool for broadcast professionals terminating loose 28-18 AWG (.08-75 mm^2) EDAC and ELCO rack and panel open barrel contacts.

- Crimps EDAC pins 516-290-590 & 516-290-591 along with ELCO pins 000-60-8017-03-13
- Embedded pin locators properly align pins to ensure accurate, reliable crimping
- Fully-ratcheted to prevent under crimping
- Requires low hand force and provides superior crimp force
- True ergonomic design for extreme comfort and performance
- Non-slip, soft rubber handles
- Double-plated for extended long-life and crimping accuracy
- Factory-calibrated and set for precision

Pin locators

SPECIFICATIONS

Weight	19 oz. (538 g)

CAT. NO.	DESCRIPTION
PA1670	EDAC/ELCO Crimper

Open Barrel Contact Pin Crimper

Professional crimping tool for open-barrel box and round connector contacts with a wire range of 30-18AWG (0.05-.75 mm2)
• Precision fixed dual-plate dies for crimp accuracy
• Crimps non-insulated terminal lugs, cable lugs and parallel and serial splices or "F-Type"
• Works with Molex, Waldom & Leoco-type connectors
• Durable steel construction for long life
• Rubber-embedded ergonomic handles for low-effort operation

SPECIFICATIONS

Weight	14 oz. (400 g)
Range	Small: 30-24 AWG (0.05-.20 mm2)
	Medium: 22-18 AWG (.34-.75 mm2)

CAT. NO.	DESCRIPTION
PA1645	Open Barrel Contact Pin Crimper

Open Barrel Contact Pin Crimper

Professional crimping tool for open-barrel box and round connector contacts with a wire range of 24-14 AWG (0.2-2.5 mm2)
• Precision fixed dual-plate dies for crimp accuracy
• Built-in locator
• Crimps non-insulated terminal lugs, cable lugs and parallel and serial splices or "F-Type"
• Works with Molex, Waldom & Leoco-type connectors
• Durable steel construction for long life
• Rubber-embedded ergonomic handles for low-effort operation

SPECIFICATIONS

Weight	14 oz. (400 g)
Range	Small: 24-22 AWG (0.05-.20 mm2)
	Medium: 18-14 AWG (.34-.75 mm2)

CAT. NO.	DESCRIPTION
PA1631	Open Barrel Contact Pin Crimper

Kwik Cycle® 9" Crimp Frame
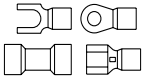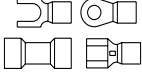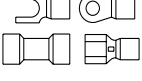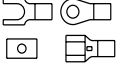
- Used to manually crimp a wide variety of connectors and terminals to factory specifications.
- Frame features a precision full-cycle ratchet for accurate, repeatable crimps every cycle.
- Crimp release lever improves throughput by eliminating rejected terminations due to improper connector positioning.
- Frame features a tension adjustment preset at the factory for optimum performance.
- High-leverage force and ergonomically-designed handle provides comfortable use.
- Frame and dies are manufactured from heat-treated, hardened tool steel for superior function and long life.
- All die sets are easily interchangeable with a simple screwdriver.

CAT. NO.	UPC NO.	DESCRIPTION
45504	45504	Kwik Cycle 9" Crimp Frame
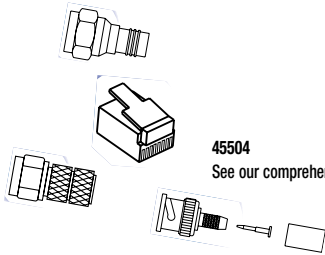
45504
See our comprehensive line of connectors on pages 288-297.

Kwik Cycle® 9" Interchangeable Die Sets for Insulated & Non-Insulated Terminals

DESCRIPTION			CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
CONNECTION		FEATURES	TOOL WITH DIE		DIE ONLY	
22-10 AWG		Color Coded nests for easy identification Standard insulated terminals, ring tongue, spade lug, slide on and but splices	45500	45500	45509	45509
22-10 AWG		Color Coded nests for easy identification for fully insulated slide-on style connectors AMP Ultrafast™ style	45501	45501	45570	45570
26-16 AWG		For mini insulated terminals with smaller wire barrels. RIng tongue, spade, slide on and butt splices			45565	45565
22-8 AWG		For non-insulated terminals and splices	45505	45505	45507	45507

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FAX +1.815.397.9247

Heat Gun

- Electronic variable heat control ranging from 250-1100º F (120-590º C).
- Two speeds: high & low.
- Double insulation safeguards injury from possible electrical failure inside gun.
- Comfortable, lightweight design reduces operator fatigue.
- Three nozzles included: window nozzle, deflection nozzle and .47" (12 mm) focusing nozzle.
- UL listed.

SPECIFICATIONS

Power reqs.	120VAC 60 Hz
Current draw	7.5 amps max.
Power cons.	1200 watts max.

CAT. NO.	DESCRIPTION
PA1873	Heat gun

Desoldering Tools

- Removes solder with simple push-button operation.
- Standard (regular & anti-static) replacement tips available.
- Repair kits come complete with replacement spring and suction rods.
- Durable metal frame.

	CAT. NO.	DESCRIPTION: DESOLDERING TOOLS
	PA1700	Desoldering tool (standard)
R	PA2712	Standard replacement tip

Cable Tie Gun

- For use with plastic cable ties up to 0.25" (6.35 mm) in width.
- Neatly fastens and cuts in one action.
- Adjustable tension for changing cable bundle pressure.
- Automatic cable tie cut off.

CAT. NO.	DESCRIPTION
PA1828-1	Cable tie gun

Note: Leaves 1 mm tab of lock after cut is made.

Kwik Cycle® Cable Tie Guns

- Tension adjustment allows the user to adapt the tool to the size of the tie.
- Automatic cut-off eliminates sharp edges on ties.

CAT. NO.	UPC NO.	DESCRIPTION
45306	45306	Standard Cable Tie Gun
45300	45300	Heavy-Duty Cable Tie Gun

HDMI TOOLS
HDMI®* HDFT™ Termination Tool

NEW PRODUCT

VIDEO

A PRODUCT VIDEO IS AVAILABLE, SCAN THIS QR CODE OR VISIT:
www.youtube.com/GreenleeDEMO

- Use with Greenlee® 24 AWG HDFT™ Cable & Connectors.
- Terminates cable using HDFT™ connectors and trims excess wire in one step.
- Ratcheted handles for uniform, complete crimping cycle.
- Interchangeable crimping die sets.
- Includes 8000 Series Frame, HDFT™ Die Set and HDFT™ Assembly Fixture.

CAT NO.	UPC NO.	DESCRIPTION
PA8700	00097	Termination Tool with metal loading fixtures
® PA4002	00096	Metal Loading Fixture (for use in PA8700 Termination Tool)

HDMI®* HDFT™ Cable Prep Tool

NEW PRODUCT

- Use with Greenlee® 24 AWG HDFT™ cable & connectors.
- Cuts 24 AWG HDFT™ cables, strips outer jacket and twisted pair shielding.
- Curved blade for cutting HDMI®* and HDFT™ cables.
- Precision stripping cavity for removing outer jacket on 24 AWG HDFT™ cables.
- Exclusive cavity for removing twisted pair shielding on 24 AWG HDFT™ cables.

CAT NO.	UPC NO.	DESCRIPTION
PA1192	00072	Cable Prep Tool

24 AWG HDMI®* Field Terminating Cable

NEW PRODUCT

- Use with Greenlee® HDFT™ Connectors.
- Make premium HDMI®* High Speed with Ethernet cables.
- Supports HDMI®* 1.4 features: 3D, Ethernet and Audio Return.
- 100' 24 AWG HDFT™ cable.
- Solid-core long grain copper.
- Fifth twisted pair for Ethernet and audio return.
- Other HDMI®* 1.4** features supported: 10.2 Gbps Data Rate, 3D Video Formats, Deep Color and 4k x 2k Resolution.

CAT NO.	UPC NO.	DESCRIPTION
FTHD24-100	00079	100' 24 AWG Field Terminating Cable

HDMI®* Field Terminating Connectors

NEW PRODUCT

- Make custom length, premium HDMI®* cables.
- Eliminates cable clutter.
- Costs less than pre-terminated cables.
- 10 or 50 pack – 24 AWG HDFT™ Connector Components.
- Use With Greenlee® 24 AWG HDMI®* Field Terminating Cable only.
- Includes main connector terminal block and wire guides.
- Guides are mated and colorcoded for 24 AWG HDMI®* Field Terminating cable.
- Make custom length, premium HDMI®* High Speed with Ethernet cables.

CAT NO.	UPC NO.	DESCRIPTION
HDCN24-10	00073	Field Terminating Connectors (10 Pack)
HDCN24-50	00074	Field Terminating Connectors (50 Pack)

*HDMI Equivalent
HDMI®* Registered trademark of HDMI Licensing, LLC
HDFT™ Trademark owned by the Quest Group

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HDFT™ Pro Deluxe Kit

NEW PRODUCT

- Make custom length, premium HDMI®* cables.
- Eliminates cable clutter.
- Costs less than pre-terminated cables.

14 Piece Kit Includes:
1) PA1192 HDMI®* HDFT™ Cable Prep Tool
(1) PA8700 HDMI®* HDFT™ Termination Tool
(10) HDCN24-10 HDMI®* Field Terminating Connectors
(1) PA1175 Media Cable Cutter
(1) TC-30 Deluxe Carrying Case

CAT NO.	UPC NO.	DESCRIPTION
PA4017	00099	Pro Deluxe Kit

HDFT™ Pro Kit

NEW PRODUCT

12 Piece Kit Includes:
(1) PA1192 HDMI®* HDFT™ Cable Prep Tool
(1) PA8700 HDMI®* HDFT™ Termination Tool
(10) HDCN24-10 HDMI®* Field Terminating Connectors

CAT NO.	UPC NO.	DESCRIPTION
PA4019	00101	Pro Kit

Pro HDMI® Cable Tester

NEW PRODUCT

- 14 LED readout for easy checking.
- Sweep function checks for crossed wires.
- 9V battery included.

CAT NO.	UPC NO.	DESCRIPTION
PA1599	00075	Pro Cable Tester

HDFT™ Die Set

NEW PRODUCT

- Precision cast 4140 steel for durability.
- High tensile steel cutting blades for long life.
- Error-proof design avoids misalignment.

CAT NO.	UPC NO.	DESCRIPTION
PA4003	00098	Die Set

*HDMI Equivalent
HDMI®* Registered trademark of HDMI Licensing, LLC
HDFT™ Trademark owned by the Quest Group

WIRE & CABLE IDENTIFICATION
Classic 77 Series Tone Generators

FEATURES / SPECIFICATIONS	77HP-G	77HP-G/6A	77M-G
Selectable Warble Tone	✔	✔	✔
Continuity Testing	LED & Beeper	LED & Beeper	LED
Polarity Testing	✔	✔	✔
Talk Battery Supply	✔	✔	✔
Two-line Modular Test Lead (RJ-11)	✔	✔	
Three-color LED (identifies AC ring voltage)	✔	✔	✔
Weather-Resistant Design	✔	✔	✔
Bent Nose Clips with Bed-of-Nails Penetrator		✔	
RJ11 & RJ45 socket	✔	✔	
Lanyard	✔	✔	
Battery Operated (9V not included)	✔	✔	✔

77HP-G   77HP-G/6A   77M-G

Classic 77 Series Tone Generators

Permits technicians to identify the conductor within a bundle, at a cross-connect point or at the remote end. Can be used on twisted pair wiring (telecom, datacom, etc.), single conductors, coaxial cables, de-energized AC wiring and most other wiring.

CAT. NO.	UPC NO.	DESCRIPTION
77HP-G	49991	77H-GP Tone Generator
77HP-G/6A	49992	77HP-G/6A Tone Generator (ABN clips)
77M-G	49993	77M-G Tone Generator (basic)

Note: Not for use on energized AC wiring

CAT. NO.	UPC NO.	DESCRIPTION
77CS	08686	Leather Belt Holster for Classic 77 Series Tone Generators

77HP-G

77CS

Replacement Piercing Clips

- These traditional telco-style clips can be used with almost any style cordsets.
- Clips feature bent nose design for use on 66 style punchdown blocks and bed-of-nails penetrator for use on insulated wires.
- Package of two clips with red and black boots.

CAT. NO.	UPC NO.	DESCRIPTION
®R RPC	08710	Piercing Clips

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Station Master Pro

- Troubleshoot irrigation systems.
- Activate and cycle solenoids.
- Test solenoids for continuity.
- Send tone to identify wires.
- Measure clock voltage.
- Low battery indication.
- Easy-to-understand LEDs.
- Test leads with Bed-of-Nails and piercing Pin Clips.
- 1-year limited warranty.

SPECIFICATIONS

Minimum Voltage for Clock LED	15 VAC
(LED intensity increases as voltage increases)	
Minimum B attery while Testing	10.5 VDC
Maximum Input Voltage between Test Leads	28 VAC
Solenoid Circuit Recharge Time	2.5 seconds
Maximum Distance Range to Activate one Solenoid	12 AWG Loop 3000-13000 feet
	14 AWG Loop 2000-8500 feet
	18 AWG Loop 500-3000 feet
Power Source	9V alkaline batteries
Battery Life	3 hours continuous
Operating/Storage Temp.	32°F - 122°F (0° - 50°C)

CAT. NO.	UPC NO.	DESCRIPTION
24B	86786	Station Master Pro

Station Master Pro Kit

- Troubleshoot irrigation systems.
- Chatter mode for audible locating of valves.
- Activate any 24V AC valve solenoid.
- Test solenoids for continuity.
- Send tone to identify wires.
- Check clock AC voltage.
- Low battery indication.
- Easy-to-understand LEDs.
- Test leads with 'bed-of-nails' and piercing pin plips.
- Tracing valve wiring.
- Locates underground solenoids.

SPECIFICATIONS

Minimum voltage for clock LED	15 V AC
Minimum battery while testing	10.5 V DC
Maximum input voltage between test leads:	28 V AC
Solenoid activate output voltage:	27 to 18 V AC
Battery:	2 - 9V Alkaline batteries
Operating/storage temperature:	32°F to 122°F (0°C to 50°C)
Relative humidity (max):	80%

CAT. NO.	UPC NO.	DESCRIPTION
24BK	86787	Station Master Pro Kit

Professional GX Series Tone Generators

77GX

- Microprocessor controlled circuitry for increased reliability.
- Two-line polarity indication for fast outlet identification.
- Automatic shutoff to prevent battery drain.
- Snag-proof boot prevents broken plug tabs.
- Convenient wrist/hanging lanyard.
- Three distinct, selectable tone signal outputs for multiple line identification.
- Two selectable tone power outputs for use on open and shorted pairs.
- Independent continuity test function.
- Independent talk battery supply with higher output voltage.
- Fixed alligator clips and removable modular plug for multiple connection options.
- 77GX2 includes premium telco-style bent nose clips with piercing pin and bed-of-nails connectors.

CAT. NO.	UPC NO.	DESCRIPTION
77GX	60556	77GX Tone Generator
77GX2	60560	77GX2 Tone Generator

Note: Not for use on energized AC wiring

AdapToner Modular Breakout Tone Generator

- The AT8 Tone Generator makes it simple to test continuity, polarity, send tone and even supply talk battery to any configuration of pairs in 8-position modular jacks and plugs.
- Combines the features of our tone generators and a modular breakout adapter.
- In-line testing is made simple with both a modular plug and jack on each unit.
- 8-position "snag-proof" modular plug.
- 8-position jack with protective cover.
- Quick reference guide with common wiring configurations.
- Selectable solid/warble tone signal.
- Tone, continuity and talk battery supply using alligator clips.
- Weather-resistant design.
- Battery operated (9V not included).

CAT. NO.	UPC NO.	DESCRIPTION
AT8	08693	AdapToner Modular Breakout Tone Generator

Note: Not for use on energized AC wiring

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LAN Toner with HUB Blink and Detect

- The LAN Toner is designed for the network installation and maintenance professional and can be used on any wiring system including datacom, telecom, security/alarm, audio and CATV.
- Blinks HUB, Switch Port, and PC activity lights for fast identification.
- Detect LAN hubs & switches.
- Provides tone signaling, continuity testing and telephone line polarity indication combined with a modular breakout adapter.
- Selectable tone outputs for identifying multiple cable runs.
- Includes multiple connection options.

CAT. NO.	UPC NO.	DESCRIPTION
AT8L	60583	LAN Toner

Note: Not for use on energized AC wiring

Tone Test Set

- Our most comprehensive tone test set.
- Traditional alternating tone signal for wire identification.
- Audible line condition testing (level) indicates dead, working and off-hook lines.
- Line 1 and 2 polarity testing using 4-conductor modular plug.
- Improved talk battery supply for communication over inactive pairs.
- Tone and test functions using either modular plug or 24" alligator clip leads.
- Audible resistance level measurement.
- Audible capacitance level measurement.
- Battery operated (9V not included).

CAT. NO.	UPC NO.	DESCRIPTION
600LS	08680	Tone Test Set

Note: Not for use on energized AC wiring

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www.greenlee.com   311

Alarm Loop Verifier/Tone Generator

- Designed specifically for the security and alarm industry, the PE620 can be connected to a Normally Open or Normally Closed loop pair and provides a distinct audible tone when the alarm condition occurs.
- Latching feature provides a simple method for identifying intermittent failures ("swingers") and confirming operation of switches at remote locations.
- In the latching mode, the unit will catch the alarm condition and continue sounding until the tester is reset.
- As a tone generator, the unit provides a traditional variable tone that can be applied using the 24" red and black test leads or a convenient 6-position modular plug.
- Convenient magnetic back plate allows the PE620 to be mounted directly to the control panel cabinet or door.
- Battery operated (9V not included).

CAT. NO.	UPC NO.	DESCRIPTION
PE620	08665	Alarm Loop Verifier/Tone Generator

Note: Not for use on energized AC wiring

Data Mate® Precision Tracing Tone Generator

- Trace wire or cable without interfering with digital two-way cable or ADSL services.
- The model 7780 Data Mate Precision Tone Generator is intended to provide tone for tracing and troubleshooting communication circuits without disrupting digital traffic on the line or adjacent lines.
- The high purity of the tracing tones combined with internal isolating filters allows safe tracing on circuits that carry digital services above the baseband (two-way cable and ADSL).
- The high-power differential output of the 7780 makes tones easy to find, even over long distances. Also useful for continuity testing and polarity testing, the 7780 provides the standard warble tone and talk battery supply.

- High Power Tone Output.
- Line Voltage and Polarity Indication.
- High Purity Tone Signal.
- Low Crosstalk.
- Low Battery Indicator.
- Filter-isolated Circuitry.

- Two-way Broadband Compatible.
- Modular and Telco Pro Alligator Leads.
- ADSL Service Compatible.
- Long Range.
- Popular, Standard Warble Tone Frequencies Continuity Testing
- Compatible with existing tone.

SPECIFICATIONS

Electrical

Output Power	+9dBm
Output Signal Frequency	577/982 Hz alternating
Output Impedence	3,500 ohms minimum, 25kHz to 1.1 MHz

Mechanical

Length 5.5" (140 mm)	Depth 1.0" (25 mm)
Width 2.25" (57 mm)	Weight 0.38 lbs. (0.17 kg)

CAT. NO.	UPC NO.	DESCRIPTION
PE7780	60777	Data Mate Tone Generator

Note: Not for use on energized AC wiring

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Tone Probes Selection Guide

MODEL NO.	200B-G	200EP-G	200GX	200FP	200XP	500XP
Powerful 2" Rear-fire Speaker	✔	✔	✔	✔	✔	✔
One-button Operation	✔	✔	✔	✔	✔	Two-Button
Adjustable Volume Control	✔	✔	✔	✔	✔	✔
LED for Visual Signal Strength Indication		✔	✔	✔	✔	✔
Recessed Tabs for Telephone Test or Headset Connection			✔	✔	✔	
Headset Jack (audio shock protected)		✔				✔
LED Flashlight		✔				
Noise Filtration				✔	✔	✔
Replaceable Tip	✔	✔	✔	✔	✔	✔
Five-Minute Auto Shutoff				✔	✔	✔
Low-battery Indicator				✔	✔	✔
Battery Operated (9V not included)				✔	✔	✔
Water Resistant						✔
"Mains Power" Warning (acAlert™)						✔
Patented				✔	✔	✔

200B-G   200EP-G   200GX   200FP   200XP   500XP

Tough & Water Resistant Multi-Filter Tone Probe

NEW PRODUCT

- Water resistant (floats) and tough, combined with all the very best digital signal processing filtering 500XP will help identify signals buried in the worst of noise.
- Cancels all 50 and 60 Hz "mains" harmonics and homes in on key 577 Hz and 983 Hz frequencies if needed.
- Simple two-button operation with dual signal strength indicating LEDs can work with any tone generator.
- Headset allows discrete use in quiet environments and can help in acoustiacally noisy areas.
- acAlert™ helps warn users if brought near hazardous ac power voltages which may be inaudible if using the advanced filtering.

CAT. NO.	UPC NO.	DESCRIPTION
500XP	01125	500XP Pair Tracing Probe (POS)
500XPB	01085	500XP Pair Tracing Probe (Boxed)
HS001	01126	Replacement Headset

Tone Probe Amplifiers

- Used in conjunction with any tone generator, Tone Probe Amplifiers permit wire and cable identification without having to make direct metallic contact with the conductor.
- All models feature a powerful speaker for noisy environments, recessed on/off button control and high gain for accurate wire identification in congested cable bundles and equipment rooms.
- The 200B-G also includes adjustable volume control for precise identification.
- The 200GX also includes an LED for visual signal strength indication and recessed telephone test set connectors.
- The 200EP-G also includes a headset jack (audio shock protected) and an LED Flashlight for working safely behind furniture, inside racks or in dim lighting conditions.

200C
200EP-G

CAT. NO.	UPC NO.	DESCRIPTION
200B-G	49986	Tone Probe, Basic
200GX	60557	Tone Probe, Standard
200EP-G	49987	Tone Probe, Standard, with Headset Jack & Flashlight
200C	08670	Leather Belt Holster for 200 Series Tone Probe Amplifiers

Filter Tone Probe

- By selectively filtering out 60Hz (or 50Hz) and its harmonics, the 200FP can be used with any tone generator for faster, more accurate, cable and wire identification.
- Slim, comfortable design for use in limited-space areas.
- Recessed on/off push-button control to conserve battery life.
- Adjustable sensitivity/volume control to increase accuracy.
- Blended carbon/plastic tip to reduce the risk of shorting terminals.
- Patented.

CAT. NO.	UPC NO.	DESCRIPTION
200FP	08672	Filter Tone Probe (60Hz mains)
200FP/50	60467	Filter Tone Probe (50Hz mains)

Multi-Filter Tone Probe

- Single button selects between default mode and two kinds of powerful noise filters.
- Filtering means faster, more accurate pair tracing.
- Digital signal processor for accuracy and sensitivity.
- Durable, light weight.
- Audible and visible signal detection.
- Continuous, wide-range volume control.
- Butt set terminals.
- Field replaceable tip, spare tip included.
- Uses a single 9 V battery.
- One probe for many applications.
- Works with any tone generator.
- The narrowband filter mode is especially well suited for 577Hz Telco tone sources and a version is available for 1kHz systems (983Hz).

CAT. NO.	UPC NO.	DESCRIPTION
200XP	60887	Multi-Filter Tone Probe (60Hz mains, 577Hz narrowband)
200XP/50	60888	Multi-Filter Tone Probe (50Hz mains, 983Hz narrowband)

Replacement Plastic Tips for 200 Series Probes
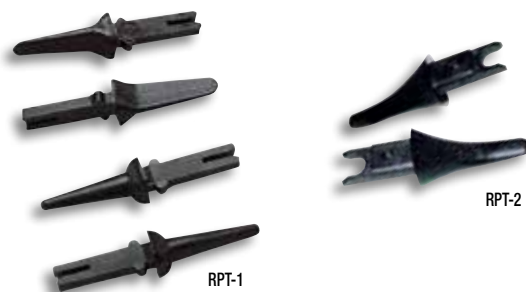
- Plastic tips perform much the same as traditional metal tips while reducing the risk of shorting terminals.
- Specially formulated with a carbon powder and carbon fiber blended plastic.
- Tips fit 200B, 200EP, 200GX, 200FP and 200XP probes.
- RPT-1 comes with two pencil-style tips and two spade-style tips.

RPT-2

RPT-1

CAT. NO.	UPC NO.	DESCRIPTION
RPT-1	08711	Plastic Tips for 200B, 200EP, 200FP and 200XP
RPT-2	60561	Plastic Tips for 200GX

Replacement Metal Tips for 200B and 200EP Probes

- Metal tips provide maximum performance when probing insulated wires or making direct metallic contact.
- Made of nickel-plated brass.
- Tips fit 200B and 200EP probes.
- Package contains two pencil-style tips.

CAT. NO.	UPC NO.	DESCRIPTION
RMT-1	08709	Metal Tips for 200B and 200EP Probes

Precision Tone Generator

- Used in the telecommunications industry for pair identification and fault locating.
- Supplies a precise 577.5Hz crystal controlled signal frequency.
- Variable output allows technicians to adjust signal strength to suit field conditions and improve accuracy.
- Designed to work with any common amplifier and exploring coil for aerial fault locating.
- For communications over inactive pairs, the unit supplies talk battery to power two telephone test sets (buttsets).
- Each of the three test leads is equipped with traditional bent nose piercing clips with "bed-of-nails" insulation piercing pins.
- The tone generator and test leads fit neatly in a durable, protective woven polyester carrying case with shoulder strap.
- Battery-operated (1 – 6V lantern included).

CAT. NO.	UPC NO.	DESCRIPTION
177	08657	Precision Tone Generator

SPECIFICATIONS

Power Requirements	One 6V lantern battery
Battery Life	40 hours nominal
Transmitter Frequency	577.5Hz pulsed at 1Hz, crystal controlled
Output Voltage	0.1 to 80Vp-p
Output Signal Level	0 to +30dBm
Construction	High impact ABS plastic in woven polyester case
Dimensions	7.25" x 5.5" x 4.5" in case
Weight	3 lbs. with battery

Load Coil Detector

- Designed for the telecommunications market, the 88 Load Coil Detector will identify the presence and count the number of load coils on an active or inactive circuit.
- No complicated screens or test instructions to decipher.
- Designed to withstand the rigors of daily use, the tester speeds troubleshooting dedicated data circuits. Simply connect the test leads and turn the switch.
- While gradually turning the control, the display will "kick" to signify each coil detected on the pair.
- Accurately identifies and counts up to four load coils on the circuit under test.

SPECIFICATIONS

Power Requirements	One 9V battery
Battery Life	100 hours nominal
Construction	High impact ABS plastic
Dimensions	4 x 2.25 x 1.5"
Weight	5.8 oz. with battery

CAT. NO.	UPC NO.	DESCRIPTION
88	08656	Load Coil Detector

T-Bug® Digital Signal Identifier

CAT. NO.	UPC NO.	DESCRIPTION
0134-0500	60764	T-Bug® Digital Signal Identifier

- Used to detect digital signals on twisted pair cables, identify and isolate digital pairs for special handling and help technicians avoid accidentally putting pairs out of service.
- Operation is non-invasive and does not involve metallic contact so there's no risk of service interruption.
- Simple to use – just place the probe between the pairs in question.
- Differential amplifier saves time by allowing the technician to determine whether the signal is truly present or is an induced signal from adjacent pairs.
- False readings due to noise are virtually eliminated.
- Continuous self test ensures that the unit is functioning properly.
- Emits both visible and audible indication when digital signals are present.
- Patented.

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Classic Tone and Probe Kits

NEW PRODUCT

701K-G

- 701K-G Kits include the 77HP-G High Power Tone Generator and the 200EP Tone Probe Amplifier in a rugged, woven nylon carrying case (700C).
- 601K-G Kit is a more basic version of the 701K-G kit, and includes the 77M-G Tone Generator and the 200B-G Tone Probe amplifier in a zippered nylon pouch.

CAT. NO.	UPC NO.	DESCRIPTION
601K-G	49989	Classic Tone and Probe Kit, Basic
701K-G	49990	Classic Tone and Probe Kit, Standard
701K-G/6A	35775	Classic Tone and Probe Kit, Standard with ABN clips

Premium Tone and Probe Kit

- Designed for more accurate wire identification, the 801K virtually eliminates power-related noise from the tone and probe operation.
- Kit includes the 77HP/6A High Power Tone Generator and 200 FP Filter Probe in a convenient Cordura® case (700C).

CAT. NO.	UPC NO.	DESCRIPTION
801K	08690	Premium Tone and Probe Kit
801K/50	60466	Premium Tone and Probe Kit (50Hz)

Xpert Tone and Probe Kit

- The Xpert Tone and Pobe Kit includes the 77GX (or 77GX2) Tone Generator and 200XP Multi-Filter Tone Probe Amplifier in a rugged, woven nylong carrying case.
- Especially suited for tracing in noisy environments.

CAT. NO.	UPC NO.	DESCRIPTION
811K	36001	Tone and Probe Kit, Xpert
811K/6A-BOX	26375	Tone and Probe Kit, Xpert with ABN clips

AdapToner Kit
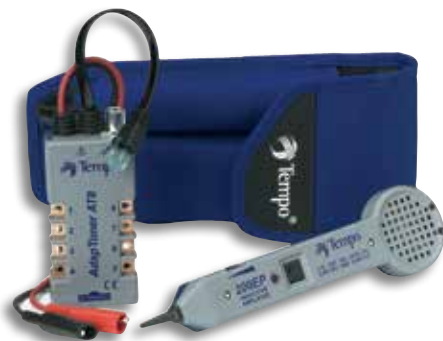
- Designed for fast, accurate wire identification by combining the features of our tone generators and modular breakout adapter.
- Kit includes the AT8 Modular Breakout Tone Generator and 200EP Inductive Amplifier in a convenient carrying case (700C).

CAT. NO.	UPC NO.	DESCRIPTION
AT8K	08694	AdapToner Kit

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802K Digital LAN Tracing Kit

- The 802K Digital LAN Tracing Kit is a powerful, unique troubleshooting and tracing solution for LANs and other types of VDV wiring. The industry standard 200FP filter probe (60Hz) is designed to eliminate hum from fluorescent lights and AC power wiring that can obscure tracing tones.
- The AT8L LAN Toner not only generates multiple tracing tones and provides basic wiring tests, but indicates the presence of 10/100Base-T network service.

CAT. NO.	UPC NO.	DESCRIPTION
802K	36000	Digital LAN Tracing Kit

LAN Toner Kit

- Designed for the network installation and maintenance professional, the LAN Toner sends tone and blinks HUB, Switch Port, and PC activity lights for fast identification. This kit can be used on any wiring system including Datacom, Telecom, security/alarm, audio and CATV.
- Kit includes the AT8L LAN Toner and the 200GX Inductive Amplifier in a rugged, woven nylon carrying case (700C).

CAT. NO.	UPC NO.	DESCRIPTION
AT8LK	60584	LAN Toner Kit

CATV Cable Tone Test Kit

- Designed specifically for the CATV industry, this kit allows you to tone through splitters, directional couplers and traps.
- Simple to use, the 402K provides accurate results and will eliminate long delays trying to figure out non-tagged or mis-tagged cable drops.
- Kit includes one transmitter, one receiver, one male F-to-F connector adapter cable, one male F-to-alligator clip adapter cable and a carrying case (700C).
- Transmitter and receiver are equipped with female F-connectors.
- Three methods of signal reception: electrostatic pickup for non-terminated cables, electromagnetic pickup for terminated or shorted cables and direct connection when identifying in the presence of passive devices.
- In continuity mode, provides both audible tone and LED display.
- Identifies the presence of AC or DC voltage on the cable under test.
- Four selectable tone outputs for multiple line identification.

	CAT. NO.	UPC NO.	DESCRIPTION
	402K	08677	CATV Cable Tone Test Set
R	402T	60376	Transmitter
R	402R	60377	Receiver
R	CS9	60374	Male to male F-connector adapter cable
R	CS19	60378	F-connector to alligator clip

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Security and Alarm Kit

- Designed specifically for the security and alarm industry, the 620K provides a simple method for identifying intermittent failures (swingers) and confirming operation of switches at remote locations.
- To better satisfy industry requirements, we've combined the Model PE620 Tone Generator with the popular Model 200EP Inductive Amplifier in a durable woven nylon pouch (700C).

CAT. NO.	UPC NO.	DESCRIPTION
620K	08682	Security and Alarm Kit

Tone and Probe Plus Cable-Check™

RJ45 LAN Tester
- True cable mapping function identifies:
  - Good connection, opens, shorts and crosses.
  - Connector and cable pin-out.
  - Clear LED display for each pin and shield.
  - Shielded RJ45 modular plug socket.
- Automatic display of mapping with dual speeds: slow or fast.
- Tests RJ11 and RJ45 cables with runs up to 600'.
- Check polarity of telephone line.
- View telephone line status: dial tone, ringing or busy line.
- Provides talk power for telephone lines and butt set use.
- Selectable dual/single tone application for balanced and unbalanced circuits.
- Four tone generator patterns.
- Test continuity of wires, cables and loads.
- Tone generator features auto-off function.
- Jack for headset.
- Audible speaker with adjustable volume control.

CAT. NO.	DESCRIPTION
PA1573	Tone & Probe Plus Cable-Check Kit

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Cabling Pouch

- Designed to hold a complete set of wiring tools including: any (one) 77 Series Tone Generator, any (one) 200 Series Inductive Amplifier, a punchdown tool, a cabling knife and scissors.
- Convenient loop to hold most telephone test sets.
- Removable "parts pouch" allows you to keep small components in reach.
- Made of a durable woven nylon.
- Fits belts up to 5" wide.

CAT. NO.	UPC NO.	DESCRIPTION
750C	08685	Cabling Pouch

Tone and Probe Carrying Case

- Allows you to build your own kit using any tone generator and 200 Series probe.
- Durable woven nylon.
- Fits belts up to 3" wide.

CAT. NO.	UPC NO.	DESCRIPTION
700C	08683	Tone and Probe Carrying Case
711CS	60559	Tone and Probe Carrying Case with belt hook

700C

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STRUCTURED WIRING TESTERS
NETcat® Pro 2 NC-500

NC-500

NC-510
(NC-500 not included)

- Test and troubleshoot telephone, data and coax wiring.
- NETcat Pro 2 Additional Features:
- – Gigabit device capability detection (still detects 10baseT and 100baseT too).
- – Cable type, velocity of propagation library, user editable.
- – Power over Ethernet (PoE) detection.
- – Memo pad.
- Detect split pairs, short circuits, broken and crossed wires.
- Step TDR technology shows length to open or short of all pairs.
- Test shielded twisted-pair (STP), unshielded twisted-pair (UTP) & coaxial cables.
- Test patch cords and remote jacks.
- Touch-screen control, included stylus slots into main unit.
- Large icons ensure easy use with your finger too.
- Large 3" (76mm) backlit high-contrast (user adjustable) monochrome display is highly visible in dark or brightly lit areas.
- Remote test and ID unit stores in base of main unit.
- Can identify up to 8 remote test ID units (7 extra available in NC-510 accessory kit along with carrying case).
- Tone generator with four selectable precision frequency tones, compatible with Greenlee advanced digital signal processing probes.
- Operates on single 9V battery with low battery indication.

NC-500 Contents:
- NETcat Pro 2 main unit with stylus
- Removable remote jack and patch lead test and ID unit
- Twisted-pair (modular RJ45), coax (F) and alligator clip test cords
- 9V alkaline battery

NC-510 NETcat Pro 2 Accessory Kit Contents:
- Seven additional remote jack test and ID units, RJ45 and F (male)
- Carrying case to hold additional remote test ID units and content of NC-500 main kit

SPECIFICATIONS

Dimensions	3.3" x 1.4" x 6.7" (8.5 cm x 3.5 cm x 17 cm)	
Weight	0.45 lb. (200 g)	
Power Requirements	9V Alkaline battery (PP3)	
User Interface	Display LCD	Dot Pixels: 128 x 128 dots
	Viewing Area	60.0 x 58.4
	Backlight	White LED
	Buttons	LCD touch-screen, Single momentary contact push button
Environmental	Operating Temperature	0°C to 50°C
	Storage Temperature	-20°C to 70°C
Interface Connections	RJ45 shielded jacks	
	F-type threaded female coaxial connectors	
TDR Calibration	User selectable based on a known cable length. 40% to 100% in steps of 1%	
TDR Range	0 to 2000 ft. -	
Resolution	1 ft. (0.3 m)	
Accuracy to Open/Short	±4% or 2 ft. (0.6 m) whichever is greater	
Remote Identifier	2000 ft. (609.6 meters) maximum distance	
Wiremap	358 ft (100 meters) maximum distance	

CAT. NO.	UPC NO.	DESCRIPTION
NC-500	23639	NETcat Pro 2 Digital VDV Wiring Troubleshooter
Ⓡ NC-510	23640	NETcat Pro 2 Accessory Kit w/carry case

NETcat® Micro NC-100

- Tests shielded twisted pair (STP), unshielded twisted pair (UTP) and coaxial cables.
- TIA/EIA standard wiring pair verification.
- Detects shorts, opens, reversed polarity, crossed and split pairs.
- Generates three distinct, selectable digital tone patterns for cable tracing and troubleshooting.
- Tracing modes can be adjusted for high performance LAN cables.
- Complete set of connector types standard (telephone, LAN and coax).
- Nested remote allows end-to-end testing of all wiring types.
- Simple testing of LAN wiring and phone lines.
- Detection of common wiring and connector errors.
- Warning of hazardous voltages.
- Checks for reversed telephone wires.

SPECIFICATIONS

Dimensions	150 x 70 x 33mm	
Weight	220g including remote unit and battery	
Power Source	9V Alkaline battery (PP3)	
User Interface	**Display LCD**	Icon and seven segment type
	Backlight	Green LED
	Buttons	Four momentary contact push button
Environmental	Operating Temperature	0°C to 50°C
	Storage Temperature	-10°C to 60°C
	Humidity	up to 95% non-condensing
Interface Connections	RJ45 shielded socket	
	RJ12 6-way socket	
	F-type threaded female coaxial connectors	
Network Split Pair Detection	Minimum cable length	2 to 3 meters (5 to 10 ft.) depending on cable type
Pair Tracing Tones	Alternating frequencies of 577Hz and 983Hz are produced at three user selectable rates. Designed for standard tone probes, but compatible with precision digital Greenlee tone probes.	

CAT. NO.	UPC NO.	DESCRIPTION
NC-100	23636	NETcat® Micro Digital Voice Data and Video Wiring Tester

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LAN ProNavigator™ Tester & Remote

Main

Remote

PA901066

- Simple PASS/FAIL test results in one second allows technicians to quickly move on to the next test site.
- Generates oscillating audio tone for use with tone probes to locate cables.
- Tests data and telephone cables up to 320 feet (100 meters) for proper pairing for EIA/TIA-568A, EIA/TIA-568B, Token Ring, 10 Base T, and common Category 5 configurations.
- Tests unshielded UTP and shielded STP data cable.
- Detects good connections, open connections, crossed wires and split pairs.
- Tests common BNC connected 50 and 75 ohm coaxial cables up to 320 feet (100 meters) for continuity.
- Tests coaxial cable types RG58, RG59, RG6, RG6 Quad, Belden 8281, RG8, RG11 and more.
- Belt clips provided and lanyard holes embedded in case to attach to belt or wrist.
- Features low battery test and auto-off function to preserve battery life.
- Includes standard 9V battery.

CAT. NO.	DESCRIPTION
PA1543	LAN ProNavigator™ test set (main & remote), 2 RJ45 patch cords, 2 belt clips, 12 oz.(342 g)
PA901066	LAN ProNavigator™ test set (main & remote), 2 RJ45 patch cords, 2 BNC coaxial cables, 2 CATV "F"-to-BNC adapters, 1 BNC/BNC adapter, 1 shielded RJ45 coupler, 2 belt clips in durable case
PA901074	Adapter, CATV "F" (female) to BNC (male)

NOTE: May not be compatible with CAT-6 flat or oval cable, or bonded cable.

SPECIFICATIONS	MAIN	REMOTE	KIT
Weight	8 oz. (228 g)	2 oz. (57 g)	2 oz. (1140 g)
Dimensions	5.25" x 6.75" x 2.25"	3.45" x 1.6" x 0.9"	8.5" x 7.6" x 3"
	133 mm x 171 mm x 57 mm	87 mm x 41 mm x 24 mm	216 mm x 193 mm x 76 mm

Wiremap Tester

- Quickly identifies opens, shorts, reversals and transposed pairs.
- Economical tester includes all the basic functions.
- Connecting the receiver unit automatically activates the test process.
- Sequencing red and green LEDs provide fast, accurate and simple-to-understand results.
- Alerts the technician if connected to an active circuit without harming the unit.
- Connect any eight-position modular plug to the appropriate jack on the transmitter and a sweeping tone signal is applied to all pairs.
- At the far end of the cable, use any Tempo inductive amplifier (probe) to locate the corresponding plug or jack.
- Battery operated (9V not included).

468

	CAT. NO.	UPC NO.	DESCRIPTION
	468	08661	Wiremap Tester
R	468C	60382	Carrying Case for the Wiremap Tester
R	468T	60379	Transmitter
R	468R	60380	Receiver
R	CSI0	60381	Modular Adapter Cable

Data/Link ID and Cable-Check™

- Cable mapping function tests data & phone connection schemes including patch cords and installed cables.
- Identifies cross-over telephone connections.
- Detects PC (NIC) & HUB data transmissions and PC (NIC) & HUB NLP or FLP link pulse.
- Identify data & link transmission speeds with real time detection: 100/10 MB.
- Automatically scans with choice of slow or fast speeds.
- Low battery detection on LAN ID tester.
- Includes 9V battery, 2 RJ45 patch cords and durable nylon carrying case with belt loop.

CAT. NO.	DESCRIPTION
PA1576	Data/Link ID and Cable-Check™

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LAN Cable-Check™

- Identifies cross-over telephone connections.
- Automatically scans when cables connected and unit turned on.
- Two scan speeds: fast or slow.
- Maps connector and cable pin-out.
- Tests cables up to 1,650' or 500 m.
- Also tests RJ11 connections using an RJ11 adapter (not included).
- 2, RJ45 patch cords and 9V battery included.
- Contained in a durable nylon carrying case with belt loop.

CAT. NO.	DESCRIPTION
PA1574	LAN Cable-Check™ Tester

LAN and A/V Cable-Check™

Network
- Tests RJ45 patch cords and network installations to identify good connections, opens, shorts or cross-connections.
- Identifies data and telephone connection schemes.
- Maps cable pin-out.

Coax
- Tests continuity of cords and installed cable runs.
- Identifies good connections, opens and shorts.

Features and Benefits:
- Automatic scanning.
- User selectable slow or fast speeds.
- Quickly check cable installations and patch cords.
- Easy-to-use with clear LED read-outs.

Includes:
- 2 RJ45 patch cords
- 75-ohm male terminator
- Cable TV "F" female adapter
- 9V battery
- Durable, nylon carrying case
- RCA to CATV "F" adapter.

CAT. NO.	DESCRIPTION
PA1594	LAN and A/V Cable-Check™

PC Cable-Check® PRO

- Quickly & easily troubleshoot cables to eliminate the cable as the source of a problem.
- True cable mapping for over 20 different cable types: BNC coax & S-Video, VGA, Firewire, USB & Mini-USB, PS/2, parallel printer, RS-232 serial and Cat5e or Cat6 LAN.
- Supports these connectors: male and female DB9, DB15, DB25 and HDB15; 36-pin Centronics printer; RJ11, RJ12, RJ45 shielded & unshielded; BNC coax female; male and female mini-DIN6; female mini-DIN4; USB-A and USB-B; mini-USB 5-pin; IEEE 1394 FireWire 4- and 6-pin
- Tests 50 ohm cables up to 1000' (305 m) & 75 ohm cables up to 600' (183 m).
- Easy to read and understand LED indicator lights.
- New rugged case with built-in handle for easy transport.
- Auto scan or manual scan modes.
- Rubber feet grip to desk or bench to prevent slipping.
- Auto-off after 30 seconds of non-use to extend battery life.
- 9V battery included.

CAT. NO.	DESCRIPTION
PA1577	PC Cable-Check® Pro

CABLE & SERVICE TESTING
TM-700 Tele-Mate® Telephone Test Set TM-700

NEW PRODUCT

VIDEO
A PRODUCT VIDEO IS AVAILABLE, SCAN THIS QR CODE OR VISIT:
www.youtube.com/GreenleeDEMO

- Complete telephone set with ringer
- Phone-to-phone intercom, compatible with other SmartIntercom™ devices
- Modular or alligator clip connection
- Amplified loudspeaker line monitor
- Headset or handset operation
- Tone and pulse dialing
- Large 10-location speed dialing memory
- Multi-memory redial
- DTMF digit detection and measurement
- Tone output mode
- Caller ID with name display
- Call waiting Caller ID
- Missed call indication
- DSL compatible, high impedance monitor and filters
- Glow-in-the-dark keypad
- Line voltage and current display
- High voltage detect and lockout
- High current detect and lockout
- Uses 2 AA/LR6 batteries (included)
- Quick release belt-clip

SPECIFICATIONS

Technical Specifications

Length:	9.25" (235 mm)
Width:	2.5" (64 mm)
Height:	3.25" (83 mm)

	CAT NO.	UPC NO.	DESCRIPTION	QTY.
N	TM-700	00984	TM-700 Tele-Mate® TELEPHONE TEST SET	1

Tele-Mate® Telephone Test Set

NEW PRODUCT

- Luminescent (glow-in-the-dark) keypad
- Can be used safely on a DSL enabled line
- High Impedance Monitor for monitoring line without disrupting existing traffic
- Over voltage and over current protection
- Tone and Pulse dialing for versatility on old and new phone lines
- Polarity test with LED indicator
- 32 digit last number redial and pause
- 10 number speed dial
- Adjustable volume control plus mute
- Pause
- Flash to generate a timed break recall
- Line powered, no battery needed
- Headset (included) for hands free operation
- RJ11 socket
- Quick release belt-clip

SPECIFICATIONS

Technical Specifications

Length:	9.25" (235 mm)
Width:	2.5" (64 mm)
Height:	3.25" (83 mm)

	CAT NO.	UPC NO.	DESCRIPTION	QTY.
N	TM-500	00486	Telephone Test Set W/ ABN "Bed-Of-Nails" Croc Clips (POP)	1
N	TM-500T	00494	Telephone Test Set W/ ABN "Bed-Of-Nails" Croc Clips (Boxed)	1
N	TM-500i	00643	Telephone Test Set W/ Small Croc Clips (Boxed)	1

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Nautilus Range Telephone Test Sets

PE961

- Waterproof tested to an IEC IP67 rating, these test sets are so impervious to water they can actually withstand submersion, though they actually float.
- The PE961 features our DigAlert™ over-voltage alarm and lock-out function to reduce the risk of damaging or knocking out digital service lines.
- Built-in DSL Filter.
- Ten-number speed dial memory (32 digits each).
- Last number redial.
- Precise hook flash.
- Microphone mute.
- Audible and visual mode indicators.
- Polarity test in any mode.
- Unique quick-release belt clip.
- Premium cord set with bed-of-nails and piercing pin clips.
- Luminescent Keymat.

CAT. NO.	UPC NO.	DESCRIPTION
PE930	60487	Telephone Test Set
PE945	60489	Test Set with Two-Way Hands Free
PE961	60511	Test Set with Two-Way Hands Free and DigAlert
A PE901	60492	Ground Start Cord Set
R PE902	60493	Cord Set

FEATURE	PE930	PE945	PE961
Monitor safe for data	✔	✔	✔
Adjustable Ringer	✔	✔	✔
Waterproof Design	✔	✔	✔
Loud Speaker Listening		✔	✔
Two-Way Hands Free		✔	✔
DigAlert™ Data Lock-out			✔
ADSL Compatible	✔	✔	✔

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Sidekick® Plus Advanced Cable Maintenance Test Set

NEW PRODUCT

- 1 Gigaohm Insulation Resistance
- Advanced Pulse TDR for improved accuracy (Step TDR option available)
- Improved speed of test and menu selection
- Long lasting, Li-Ion Rechargeable Batteries

Optional Features
- Available at Launch: Enable Wideband testing (Software Update)
    - Noise Spectrum Analysis to 30 MHz
    - Loss measurements to 4.4MHz
    - Reference Tone to 4.4MHz
- Coming Soon: Sidekick Plus® with Wideband and VDSL / ADSL Sync
    - All standard features of Sidekick Plus with Wideband plus:
        - Display of DSL Showtime information
        - Error and Alarm detection
        - Graphical display of bits-per-tone, signal-to-noise

	CAT. NO.	UPC NO.	DESCRIPTION
	1155-5001	01316	Sidekick Plus Kit
	1155-5003	01324	Sidekick Plus CE Kit
N	1155-5005	01463	Sidekick Plus Kit with Impulse Noise, Step TDR
N	1155-5009	01317	Sidekick Plus with Wideband

SPECIFICATIONS

Stress Test	0 to 82 dBrnC
AC Volts	250V
DC Volts	300V
Resistance	100 MΩ
Leakage	999 MΩ
Open Meter	Up to 18.6 miles (30 km)
Count Load Coils	0 to 5
Loop Current	110 mA
Circuit Loss	-70 to 3 dBm
Circuit Noise	0 to 90 dBrnC
Tracing Tone Generator	200 Hz to 20 kHz
Reference Tone Output Level	3 to -20 dBm
Custom Auto Test with Pass/Fail	400 Autotest Results
Display Resolution	320 x 240 sunlight readable
Battery	Li-Ion
Battery Life (Typical)	8 hours
Weight (Including Battery)	3 lbs (1.4 kg)
Operating Conditions	-0.4 to 122 °F (-18 to 50 °C), 0 to 95% Humidity
IP Rating/Environmental Protection	BS EN 60529 level IP20C

N = NEW PRODUCT   R = REPLACEMENT PART   A = ACCESSORY   B = BARE TOOL

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Sidekick® SYNC

- ADSL, ADSL2, ADSL2+ and VDSL2 Modem emulation
- CPE and Comodem emulation
- Isolates problems anywhere along the network
- Simple one-button testing for quick deployment
- Performs multiple diagnostic tests with only one instrument
- Auto Test makes testing customizable and consistent
- Easy-to-read digital display reduces meter interpretation errors
- Easily determines if the fault is inside or outside the premise
- Finds faults other test sets miss
- Simplifies troubleshooting
- Increase technician productivity
- Reduces repeat trouble calls

CAT NO.	UPC NO.	DESCRIPTION	QTY.
1160-5000	00720	SIDEKICK SYNC (1160-5000)	1
1160-0100	00721	MANUAL, SIDEKICK SYNC ENGLISH	1
1160-0101	00722	SOFTCASE, SIDEKICK SYNC	1
1160-0102	00723	CORD, RJ11 TO RING TIP POPPER CLIP	1
1160-0103	00724	ADAPTER USB 2.0 A TO MICRO B FEMALE	1
1160-0104	00725	BATTERY, LI-ION, 3 CELL SMBUS	1
1160-0105	00726	ADAPTER VEHICLE 6FT 5.5 OD, 2.5MM	1
1160-0106	00728	PWR 100-250VAC 2.5MM 15V 1.2A	1
1160-0107	00729	ADAPTER, COAX FEMALE TO FEMALE	1
1160-0108	00733	ASSY, DOOR, SIDEKICK SYNC	1
1160-1000	00734	TOP ASSY, SIDEKICK SYNC	1

SPECIFICATIONS

Display
Size: 128 x 64 pixels (3.07")
Type: Monochrome (Sunlight Readable) transreflective w/LED backlight.

Batteries
Type: Lithium Ion
Capacity: 18 hours of use per charge(typical)
Charge Time: 4 hours
Size: 8.85" x 4.8" x 1.92" (224.9mm x 121.9mm x 48.77mm)
Weight: 2.25 lbs (1.02kg) w/cords and softcase
Shock/vibration: Per Mil-std-810F
Operating Temp.: -14° F to 122° F (-10° C to 50° C)
Storage Temp.: -4° F to 140° F (-20° C to 60° C)
Humidity: 95% non-condensing

Test Leads
Length: 4'
Plug Type: RJ11
Clip Type: Popper Type
Other RJ11
Connections: RJ45
F type Male Connector
USB Micro B
Certifications: CE (Pending)
RoHS/WEEE (Pending)

Sidekick® T&ND

1144-5000

- Easy-to-read digital LCD display.
- Internal Dialer for making Transmission Test connections.
- Autotest – performs 22 individual tests at the touch of a button.
- Determines the stressed noise susceptibility of dry and working pairs.
- Measures AC/DC Volts, Leakage, resistance, and loop current.
- Performs circuit loss, circuit noise (metallic noise), and power influence tests.
- Built-in open meter.
- Locates up to 4 load coils.
- Single set up for Tip-Ring, Tip-Ground, and Ring-Ground tests.
- Field replaceable test leads.
- On-screen display of "LOW BATTERY" when batteries are near failure.

SPECIFICATIONS

Weight	2 lbs.	**Opens**	0 to 60 kft.
Dimensions	10.75" X 4.25" X 2.5"	**Loop Current**	0 to 100 mA
AC Volts	300 Vrms max.	**Load Coil**	up to 4
DC Volts	± 300 Volts max.	**Circuit Loss**	+1 to -15 dB
Resistance	1 Megohm max.	**Power Influence**	40 to 100 dBrnC
Leakage	100 Megohm max.	**Circuit Noise**	0 to 75 dBrnC
Stress	0 to 82 dBrnC	**Power**	Four AA Batteries

	CAT. NO.	UPC NO.	DESCRIPTION
	1144-5000	60853	Sidekick T&ND Test Set
R	1134-1002S	60752	Case

Sidekick® T&N

1137-5002

- Five transmission and noise tests.
- Determines the stressed noise susceptibility of dry and working pairs.
- Measures resistance, AC/DC volts, and capacitive kick.
- Provides tone for twisted pair or crossed conductor identification.
- Single setup for testing Tip-Ring, Tip-Ground, and Ring-Ground.
- Minimal drying effect in all ranges.
- Field replaceable leads.
- Softcase with adjustable strand hook.
- Low battery indicator light.

SPECIFICATIONS

Dimensions	10.75" x 4.25" x 2.5"	**Stress Test**	0 to 82 dBrnC
Weight	2 lbs.	**Loop Current**	0 to 100 mA
Resistance	Rx1: Reads 0 to 2000 Ω	**Circuit Noise**	0 to 75 dBrnC
	Rx1K: Reads 0 to 2 MΩ	**Circuit Loss**	-15 to +1 dB
Leakage	Rx10K: Reads 0 to 20 MΩ	**Power Influence**	50 to 100 dBrnC
DC Voltage	0 to 300 volts DC	**Operating Temp.**	-4°F to +140°F
AC Voltage	0 to 300 Vrms	**Power**	Four AA batteries

	CAT. NO.	UPC NO.	DESCRIPTION
	1137-5002	60526	Sidekick T&N
R	1134-1002S	60752	Case
R	1131-0202	60751	Test Leads

Sidekick® 7B

1134-5029

- Determines the stressed noise susceptibility of dry and working pairs.
- Measures resistance, AC/DC volts, and capacitive kick.
- Provides tone for twisted pair or crossed conductor identification.
- Single setup for testing Tip-Ring, Tip-Ground, and Ring-Ground.
- Minimal drying effect in all ranges.
- Field replaceable leads.
- Softcase with adjustable strand hook.
- Low battery indicator light.

SPECIFICATIONS

Dimensions	10.75" x 4.25" x 2.5"
Weight	2 lbs.
Resistance	Rx1: Reads 0 to 2000 Ω; Rx1K: Reads 0 to 2 MΩ
Leakage	Rx10K: Reads 0 to 20 MΩ
DC Voltage	0 to 100 Volts DC
AC Voltage	0 to 200 Vrms
Stress Test	0 to 82 dBmC

CAT. NO.	UPC NO.	DESCRIPTION
1134-5029	60525	Sidekick 7B
ℝ 1134-1002S	60752	Case
ℝ 1131-0202	60751	Test Leads

ToneRanger

- Direct buried fault location, it gives an exact location to the fault.
- Locates open shield and open bond faults.
- Locates twisted-pair resistance faults in aerial, underground, and direct buried cable.
- Locates splits, opens and bridge taps.
- Uses low voltage and does not damage cable, circuit cards, C.O. or subscriber equipment.
- Sends Pair ID tone through wet pulp and saves service outage time on small count section throws.
- Locates open shields and shield to earth faults.
- Does not interfere with DSL, IPTV or digital services on adjacent lines.
- NEW easy user interface.

CAT. NO.	UPC NO.	DESCRIPTION
10101-50000	27345	TF1A Kit, ToneRanger Aerial
10101-51000	02066	TF1ABL Kit, ToneRanger Aerial and Buried
10101-51100	02028	TF1AP Kit, ToneRanger Aerial with Pair ID
10101-51200	27338	TF1AB Kit, ToneRanger Aerial with Buried Wand
10101-51300	27321	TF1AL Kit, ToneRanger Aerial with Layup Stick
10101-51400	20191	TF1ABLP Kit, ToneRanger with Aerial, Buried & Pair ID
52042471	–	Transmitter Test Cable

Throwmaster® Paragon

- Used by construction cable splicers all around the world.
- Transfer telephone/broadband services during normal working hours.
- Does not interrupt important customers.
- Simple to follow interface and process for successful transfer of circuits.
- LED's on the cords aid in telling the user in the cut, transfer and splice.
- Compatible with T-1, HDSL, HDSL-2, HDSL-4, ADSL and other services less than 10Mb/s.
- Each step is automatically tested and verifies the circuit is complete at the end of the transfer.

CAT. NO.	UPC NO.	DESCRIPTION
0529-0001	29019	Throwmaster® Paragon 519 Kit

1155 Fault Loop Simulator

- Simulates 8 fualts that can be used individually, or in a combination:
    - Cross battery.
    - Resistive 5 kohm load to ground.
    - Resistive 500 ohm short.
    - Two balanced bridge taps.
    - 60 ohm series resistance fault.
    - 60 Hz Power Influence.
    - High frequency noise.
- 1910 foot cable length.
- Battery operated.
- Rugedized case.
- Convenient Test Lead connections.
- Three access locations in the span for custom faults.
- Train users on real twisted-pair faults.
- Test multiple test set functions such as RFL, TDR, Power Influence, Stress, Leakage, Resistance, impulse noise and others.
- Verify results from the field in a controlled environment.
- Demonstrates how noise increases with pair imbalances.
- Show differences between shorts, bridge taps, series faults and opens with a TDR.

CAT. NO.	UPC NO.	DESCRIPTION
1155-7001	57691	Test Set

4-6-8 Modular Adapters

- Nylon-reinforced ABS plastic body.
- Easy-to-read wire layout.
- Removable/replaceable patch cord.
- Inline adapters.
- Snagless plugs.
- Belt clip.
- Notched copper contacts keep alligator clips attached during testing.

CAT. NO.	DESCRIPTION
PA1902	RJ45 Modular Adapter (8-way)
PA1903	RJ11 Modular Adapter (6-way)

TurTEL Modular Adapters/Polarity Tester

46040

46050

- Use with tone generators, test sets and other test devices to troubleshoot and isolate problems with telephone circuits.
- Two jacks allow in-line testing without service interruption.
- The TurTEL 6 has two six-position, six-wire jacks.
- The TurTEL 8 has two eight-position, eight-wire jacks.
- Simple, push button operation to check polarity and power.
- Reduced chance of shorting adjacent alligator clips due to unique shape.
- Test contacts are perforated to provide sure grip for alligator clips or use of probes.
- The TurTEL 6 has an internal circuit to allow testing of polarity for either of two lines (pairs 4 to 5 or 3 to 6) – circuit allows verification of power and phone number assignments.
- Patch cord included.
- Heavy-duty stainless steel belt clip.

CAT. NO.	UPC NO.	DESCRIPTION
46040	46040	TurTEL 6 Modular Adapter/Polarity Tester
46050	46050	TurTEL 8 Modular Adapter

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TelScout® TS90

- Two Pair Test Capability.
- One-Step Setup.
- Automatic Instrument Control Mode.
- 45,000' (15 km) Fault Location Capability.
- Splash and Drip Proof.
- Single-Button Zoom Function.
- Pair Comparison Mode.
- Splits/Crosstalk Mode.
- Intermittent Fault Location.
- Measures Distance to Fault in Feet, Meters, or Time.
- Configurable for Any Cable Type and Vp (0.300 to 1.000).
- Accurate (±3 ft. at 10,000 ft.).
- On-line Tutorials.
- Large Backlit Display.

SPECIFICATIONS

Environmental

Temperature –
Operating: 32° F to 77°F (0° C to +45° C).
Non-operating: 12° F to 92°F (-20° C to +60° C).Humidity – 95% RH, non-condensing.
EMI Emissions –
EN55011 class A.
EN60555-2.

Power

Battery Operation –
Battery Type: Six AA Alkaline.
Operating Time: >4.5 hrs. with backlight off.
Battery Saver:
Selectable for 5 to 30 minutes or disabled.

SPECIFICATIONS

Physical

Dimensions	in.	mm
Height	5.6	141
Width	8.3	211
Depth	1.8	43
Weight	**.lb**	**kg.**
Net	2.2	1

	CAT. NO.	UPC NO.	DESCRIPTION
R	012154500	60740	Leads
R	THM5BAT	60756	Rechargeable Battery Pack

CATV TEST SETS
Sidekick® V.O.C.

- Identifies defective inside wire and jacks.
- Measures resistance, AC/DC volts, quasi square wave, and pair balance.
- Identifies shorts, opens, crosses and grounds.
- Replaces the need for other meters.
- Provides tone for twisted pair or crossed conductor identification.
- Single set-up for testing Tip-Ring, Tip-Ground, and Ring-Ground with ground connection.
- Field replaceable leads.
- Softcase with adjustable hook.
- Low battery indicator light.

SPECIFICATIONS

Dimensions	10.75 x 4.25 x 2.5 inches
Weight	2 lbs.
Resistance	Rx1: Reads 0 to 2000 Ω
	Rx1K: Reads 0 to 2 Megohms
Leakage	Rx10K: Reads 0 to 20 Megohms
DC Voltage	0 to 100 Volts DC
AC Voltage	0 to 200 Vrms
Stress Test	0 to 82 dBrnC
Operating Temp.	-4°F to +140°F
Power	Four AA batteries

1143-5000

	CAT. NO.	UPC NO.	DESCRIPTION
	1143-5000	60527	Sidekick V.O.C.
R	1134-1002S	60752	Case

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CableScout™ TV220 - TDR Cable Tester for CATV

NEW PRODUCT

- Easier-to-use GUI interface requires little or no training
- PC application is compatible with all the current operating systems
- Improved clarity and trace functionality makes it even easier to identify faults on-screen and determine noise versus the fault
- Even higher SNR and Resolution makes it easier to identify events that were previously difficult or impossible to find
- Zero dead zone at the launch allows the user to see faults immediately
- Improved trace update rate allows you to see changes to the fault faster (5 times/sec. versus 2 times/sec.)
- Higher capacity to hold traces
- USB interface for trace download
- Lighter weight and longer charge life with the new lithium-ion battery
- TestWizard™ one-button testing
- Automatic Return Loss Measurements
- Automatic Multiple Event Marking
- High-Resolution, Short Pulse Width (1 ns)
- Rugged enough to withstand a 2 meter drop

	CAT NO.	UPC NO.	DESCRIPTION
	TV220	00676	TDR for CATV Broadband
R	TV220-0350	17404	Soft Carrying Case
A	1155-1010	25877	Power Supply, AC-DC
A	174173401	16407	Vehicle DC Adapter/Charger
R	174326900	16414	Replacement Power Cord

SPECIFICATIONS

Output
Test Signal Output – 1/2 Sine
Amplitude – 4V into 75 Ω
Pulse Width – 1 ns, 5 ns, 25 ns
Output Impedance – 75 Ω
Acquisition System Bandwidth – 400 MHz

Return Loss
Automatic at cursor location
Resolution: ±1 dB
Input Protection – ±400 VDC + peak AC up to 440 Hz, 30-second duration
Maximum Distance Range – 12,000 ft. (3,658 m), depending on cable type and condition
Gain – 0 to 72 dB
Waveform Storage – Minimum of 20 waveforms with notes

Distance Accuracy
Feet:
0 to 2,000 ft.: ±2 ft. ± uncertainty in Vp 2,001 to 6,000 ft.: ±3 ft. ± uncertainty in Vp 6,001 to 12,000 ft.: ±4 ft. ± uncertainty in Vp Meters:
0 to 610 m: ±0.6 m ± uncertainty in Vp
611 to 1830 m: ±0.9 m ± uncertainty in Vp 1831 to 3658 m: ±1.2 m ± uncertainty in Vp

Display
Resolution: 640 x 440 (281,600 pixels)
Size: 7.2 inch
Type: High contrast LCD
Backlight: Operator switchable
Waveform Display Resolution – 0.33% of selected range, 4.5 cm (0.15 ft.) minimum
Display Ranges – Twelve display ranges from 6 ft. (1.8 m) to
12,000 ft. (3,658 m), plus single-button zoom window
Output Port – Serial 9-pin D type connector
Distance Measurements – Meters, feet, nanoseconds

SPECIFICATIONS

Power
AC Operation –
Voltage Ranges: 110 V, 220 V, or 240 V with appropriate AC to DC adapter
Line Frequency: 50 Hz to 60 Hz
DC Operation –
Voltage Range: 9 to 16 VDC @ 1A (charging and operating)
Battery Operation –
Type: Internal Li-Ion rechargeable battery
Operating Time: Typically 12 hours continuous operation (backlight off)
Battery Savers (user selectable) –
Shutoff: 5 to 30 minutes or disabled
Backlight: Shutoff 5 to 30 minutes, disabled, or always on

General Characteristics
Temperature –
Operating: −10° C to +40° C (+11° F to +104° F) Non-operating: −20° C to +60° C (−4° F to +140° F) Humidity – 10% to 95% (non-condensing)
Field Usage – Shock, water, and dust resistant
Durability – Survives drop of 2 meters (6 ft.) to concrete in standard soft case. Drip proof, dust resistant
EMI Emissions –
EN55011, Class A
EN60555-2
Safety –
CE (Low Voltage Directive)

PHYSICAL

Dimensions	Centimeters	Inches
Height	24	9.5
Width	30	11.5
Depth	9	3.5
Weight	**Kilograms**	**Pounds**
Net	3	6.4

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CableScout™ TV90

- High performance easy to use, Time Domain Reflectometer for Coaxial testing applications.
- Employs optimized pulsing and sampling, coupled with advanced filtering and signal-processing techniques to ensure clean waveform and easy identification.
- Context-sensitive help screens for all functions.
- Small, portable and lightweight 2.2 lbs. (1kg).
- Includes rechargeable battery pack.
- Includes twisted pair adapter and test probe.

	CAT. NO.	UPC NO.	DESCRIPTION
	TV90	12600	TV90 CableScout™ TDR
R	THM5BAT	60756	Rechargeable Battery Pack
A	THM5AC	17299	AC Adapter 110V
R	TS90-0350	17398	Soft Carrying Case

SPECIFICATIONS

- Easy to operate (help screens available for all functions)
- Fast fault finding with automatic gain and vertical waveform positioning
- One-button Expand/Full View Function and zoom control.
- Precision accuracy 0-200 ft +- 2 ft. 1% beyond.
- Range up to 4000 ft.
- High-resolution with optimizing pulse and sampling and advanced filtering
- Input Protection: 200 VDC + Peak AC.
- Rugged - designed for harsh environments
- Large 7.2-in. high-resolution backlit display.
- International power supply options

Environmental

Temperature:
Operating: 32° F to 77°F (0° C to +45° C).
Non-Operating: 12° F to 92°F (-20° C to +60° C).
Durability: Survives Drop test of 6 foot (2m) to concrete in soft case
Power: 110 V, 220 V, 240 V with appropriate power adapter
Battery type: 6 AA Alkaline and NiCad rechargeable pack. 4.5 hours continuous operation with adjustable battery saver modes

Standards

UL, FCC EMI, CAN/CSA, EN, and CE

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BURIED FACILITY LOCATION AND MARKING

Tracker II

HS-1 (08695)
Optional headset is available for use in high-traffic areas or other noisy environments.

- Traces the path and determines the depth of wires and metallic pipes on active or dead systems without having to deactivate the system.
- Lightweight receiver provides audible and visual indications of signal strength.
- Transmitter output and receiver sensitivity are fully adjustable for maximum accuracy.
- Transmitter offers three methods of connection: direct, inductive coupler and inductive antenna.
- Includes transmitter assembly, receiver assembly, inductive coupler (clamp), built-in inductive antenna, two 8' (2.4 m) test leads with heavy-duty alligator clips and durable polyethylene case.
- High frequency transmitter provides range up to 4,000' (1,219 m) and depths up to 7' (2 m).
- Receiver is 32" long (813 mm).
- Battery operated (eight AA and one 9V battery is included).
- Molded carrying case included.

CAT. NO.	UPC NO.	DESCRIPTION
501	08662	Tracker II
®501T	60353	Transmitter
®501R	60352	Receiver
®IC1	60354	Inductive Clamp
®CS16	60355	Transmitter Cord Set
®500CA	60351	Case with Antenna

SPECIFICATIONS

Power Requirements	Transmitter – (8) AA batteries; Receiver – (1) 9V battery
Battery Life	Transmitter – 30 hours nominal; Receiver – 10 hours nominal
Transmitter Frequency	447.5kHz
Transmitter Power	40Vp-p (140mW) maximum
Voltage Protection	240VAC/500VDC
Automatic Shut Off	90 Min. Transmitter and Receiver
Construction	Transmitter/Receiver – powder coated aluminum
	Case – vacuum formed polyethylene
Dimensions	Transmitter – 4.25" x 3" x 3.25" (108 x 76.2 x 82.6 mm)
	Receiver – 32" x 2.75" x 4" (812.8 x 69.9 x 101.6 mm)
	Case – 33.5" x 8.25" x 3.75" (850.9 x 209.6 x 95.3 mm)
Weight	6.7 lbs. complete kit (3.04 kg)

Buried Line Locator

LIFETIME G WARRANTY

- LED and LCD signal strength indicators make it quick and easy to find exact line location.
- Lightweight and ergonomically balanced.
- Automatic signal boost makes it easy to trace lines, even those with very weak signals.
- Receiver may be used in active or passive mode.
- Receiver locates multiple passive frequencies with a single setting.
- Receiver automatically locks out passive range when it detects a transmitter signal, reducing the chance of tracing other lines carrying weaker signals.
- Microprocessor-based circuitry delivers increased accuracy and features auto-gain control in all environments.
- Traces 20' (6 m) underground and provides depth readings up to 15' (4.57 m).
- Transmitter can be connected to live lines up to 600V.
- Molded carrying case included.

CAT. NO.	UPC NO.	DESCRIPTION
BLL-200	07796	Buried Line Locator

SPECIFICATIONS

Transmitter		**Receiver**		
Operating Voltage	0-600VAC,	**Depth Range**	Measures:	0-15 ft
	0-300 VDC		Traces:	0-20 ft.
Current	13mA (open line)	**Depth Resolution**	0.1 ft. increments	
	150mA (live or shorted line)	**Passive Trace Frequency**	- 12Hz-24kHz	
Frequency	33.3kHz	**Operating Temperature**	0°F to 120°F	
Operating Temperature	0°F to 120°F		(-17°C to 50°C)	
	(-17°C to 50°C)	**Size**	4.1" x 8.5" x 38"	
Size	7.5" x 4" x 2.1"		(104.1 mm x 215.9 mm x 965.2 mm)	
	(190.5 mm x 101.6 mm x 53 mm)	**Power**	6 VDC (4 AA batteries)	
Power	6 VDC (4 AA batteries)	**Weight**	1 lb. 12 oz. (794 g)	
Weight	15 oz. (425 g)			
	(with batteries and clamp)			

Pulser Fault Locator

PE2003
Great complement to any buried line cable locator.

- Identifies the exact location of even the smallest breaks in insulation by "pulsing" a high-voltage signal that radiates into the earth at the location of the faults. With the A-frame mounted receiver, a visual analog meter points the way to the source of the voltage.
- Multiple faults on a single wire can be identified indicating the need to replace instead of repair.
- Extra-long test leads feature heavy-duty alligator clips for use on multiple cable types.
- Includes a rechargeable transmitter, receiver, A-frame, ground stake, 120V charger and a 12V DC (cigarette lighter) adapter.
- Battery operated (one 12V and one 9V battery are included).
- Molded carrying case included.

SPECIFICATIONS

Power Requirements	Transmitter: (1) 12V rechargeable battery
	Receiver: (1) 9V battery
Battery Life	Transmitter: 23 hours per charge; Receiver: 200 hours
Transmitter Power	2400VDC peak
Voltage Protection	240VAC/400VDC
Construction	Transmitter – aluminum housing in polyethylene case
	Receiver – powder coated aluminum
Dimensions	Transmitter – 17" x 8.5" x 6.5" (421 mm x 215 mm x 160 mm) in case
	Receiver – 33.5" x 21.75" x 3.25" (840 mm x 550 mm x 8 mm) on A-Frame
Weight	12.5 lbs. (5.7 kg) complete

	CAT. NO.	UPC NO.	DESCRIPTION
	PE2003	08666	Pulser
R	2000H	60357	Transmitter (Includes CH1 & CH2)
R	2000R	60358	Receiver
R	AF2	60482	A-Frame
R	CH1	60360	AC Charger
R	CH2	60361	DC Charger
R	59F0002	66216	Battery, Replacement (12V 2.5 Ah)

Wire Finder/Mini Locator

- Traces energized or non-energized wires in walls and drop ceilings.
- Provides reliable results on buried cables to depths of 3' (1 m) and lengths up to 1000' (308 m).
- Determines the approximate depth of the wire before digging.
- Compact design and easy-to-understand operations.
- Fully adjustable transmitter and receiver for accurate locating.
- Quick change test leads for use in any industry, even international power outlets.
- Voltage protection to allow use on live AC circuits.
- Automatic shut-off to prevent accidental battery discharge.
- Housed in a durable, molded carrying case with a quick reference operation guide on the inside of the lid.
- Battery-operated: (2) 9V batteries included.

SPECIFICATIONS

Power Requirements	(1) 9V each (transmitter and receiver, included)
Battery Life	Transmitter 35 hours nominal; Receiver 20 hours nominal
Transmitter Frequency	447.5kHz
Transmitter Power	9Vp-p (11mW)
Voltage Protection	240VAC/500VDC
Construction	Transmitter/Receiver – high-impact ABS plastic,
	Case – vacuum-formed polyethylene
Dimensions	Transmitter – 4" x 2.3" x 1" (101.6 x 58.4 x 25.4 mm), Receiver – 6" x 2.35" x 1" (152.4 x 59.7 x 25.4 mm),
	Case – 9.5" x 8" x 3"(241.3 x 203.2 x 76.2 mm)
Weight	2.6 lbs. (1.2 kg)

	CAT. NO.	UPC. NO	DESCRIPTION
	508S	08678	Wire Finder/Mini Locator
R	508ST	60363	Transmitter
R	508SR	60364	Receiver
R	CS14	60366	Alligator Clip Cord set
R	CS15	60367	AC Outlet Cord set

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Wire and Valve Locator

- Adjustable transmit power allows you to select the best signal for maximum performance.
- Transmitter's high power output offers extended range and use on higher resistance wire paths that other locators can't touch.
- Receiver provides both audible and visual indications of signal strength.
- Lightweight receiver wand makes it easy for you to move along quickly to locate even the longest wire path.
- Rugged headphones block ambient noise and improve "feel" for the signal.
- Includes transmitter, receiver, headset, ground stake, and complete instructions.
- Battery-operated: (8) "D" Cells and (1) 9V.

SPECIFICATIONS

Power Requirements	Transmitter: (8) "D" Cell; Receiver: (1) 9V battery
Battery Life	Transmitter: 50 hours nominal Receiver: 100 hours nominal
Transmitter Frequency	1748Hz
Transmitter Power	750Vp-p 285Vrms
Voltage Protection	120VAC/250VDC
Construction	Powder-coated aluminum housing in polyethylene case
Case Dimensions	33.5" x 8.25" x 3.75"
Weight	12 lbs. complete

CAT. NO.	UPC NO.	DESCRIPTION
521A	86788	Wire and Valve Locator
R 521A-R	12623	Receiver
R HS1	08695	Headset
R GS1	60362	Ground Stake

Locators Application Guide

FEATURE	BLL-200	501	PE2003	508S	521A
Trace concealed wiring in walls and floors		•		•	
Locate junction box relays and transformers	•				
Locate switch gear	•				
Find shorts to ground			•[2]		•[1]
Trace wires in PVC (nonmetallic conduit)	•	•		•	
Find opens in a circuit					•
Localize power and lighting panels	•	•		•	
Operate on energized circuits	•	•		•	
Operate on telecom circuits	•	•	•	•	
Operate on power circuits (600VAC)	•				
Operate on unenergized circuits	•	•	•	•	•
Trace shielded cable	•	•[3]		•[3]	•[3]
Trace buried metal conduit					
Trace coax cable	•	•[5]		•[5]	•[4]
Auto gain circuitry for improved accuracy	•				
AC voltage range	0-600V	0-240V	0-240V	0-240V	0-120V
DC voltage range	0-300V	0-500V	0-400V	0-500V	0-250V
Distance–receiver from transmitter	5,000 ft.	•[7]	5000 ft.	1000 ft.	•[6]
Transmitter battery	(4) AA	(8) AA	12V rechargeable	(1) 9V	(8) D
Receiver battery	(4) AA	(1) 9V	(1) 9V	(1) 9V	(1) 9V

1. 10,000 ohms and less–both ends isolated from grounds.
2. Does not locate the path–has to be predetermined and only in direct burial applications. 5,000,000 and less.
3. Transmitter connected to metallic shield.
4. Will trace coax providing the bOnd is in place at the remote end–will disrupt service.
5. No sorting (high RF bleeds) can trace coax if transmitter connected to braid.
6. Low frequency locators need a "path to earth" (dirt), 5000 ft. on an open conductor and 2500 ft. on a metallic pipe at 3 ft. deep

7. Direct Connection 4,000 ft at 7 ft deep
   Inductive Coupler 1,000 ft at 3 ft deep
   Inductive Antenna 700 ft at 3 ft deep

Marker-Mate®

- Designed to locate buried electronic markers, including Omni Marker®, and Uni Marker™
- Five+ foot depth range
- Detects up to seven different marker types
- Scan mode provides simultaneous detection of all marker types
- User-adjustable Detection Threshold
- Digital signal processor accuracy
- Large-character display is easy to read
- Bar graph, numeric & audible signal strength indicators
- Speaker volume adjust
- Headphone jack
- Battery level indicator
- Low battery warning
- Adjustable time out feature prolongs battery life (and can be turned off)
- Weather resistant
- Rugged construction

SPECIFICATIONS

Electrical:	Twelve AA batteries
	Battery Life: 20 hours typical
Environment:	
Operating Temperature:	-4°F to 122°F (-20°C to 50°C)
Storage Temperature:	-40°F to 158°F (-40°C to 70°C)
Weather Resistant	
Physical:	
Length:	30.7 in. (780 mm)
Width:	7.8 in. (198 mm)
Height:	12.8 in. (325 mm)
Weight:	4.5 lbs. with batteries (2 kg)

CAT. NO.	UPC NO.	DESCRIPTION
EML100	60798	Marker-Mate Electronic Marker Locator

Omni Marker®

LIFETIME G WARRANTY

- Electronically marks and relocates buried facilities.
- Unique design produces a uniform, spherical RF field in every direction.
- Easily located up to 5' away with any modern marker locator.
- Wider field with a signal peak directly above the marker provides precise location.
- Requires no particular orientation when buried.
- Greater range than standard 4" ball markers.
- High-reliability design lasts as long as your buried plant.
- Color coded by utility application.
- Patented.

APPLICATION	COLOR	FREQUENCY	CAT NO.	UPC NO.
Power	Red	169.8kHz	0160-0001-1	60765
Water	Blue	145.7kHz	0161-0001-1	60766
Sanitary	Green	121.6kHz	0162-0001-1	60767
Telephone	Orange	101.4kHz	0163-0001-1	60768
Gas	Yellow	83.0kHz	0164-0001-1	60769
Cable TV	Orange/Black	77.0kHz	0165-0001-1	60770
Non-Potable/Gen I	Purple	66.35kHz	0168-0001-1	11050

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Uni Marker™

- Electronically marks buried facilities for later relocation.
- Rugged polyethylene case ensures years of useful life.
- Small size and flat design attach easily to non-metallic utility box lids, hand holes and other buried enclosures.
- Location is simple with any modern marker locator.
- Range is 25% more than other similar-style markers.
- Signal peak ensures location within inches of the marker.
- Color coded by utility application.

APPLICATION	COLOR	FREQUENCY	CAT NO.	UPC NO.
Power	Red	169.8kHz	0170-0001-1	60771
Water	Blue	145.7kHz	0171-0001-1	60772
Sanitary	Green	121.6kHz	0172-0001-1	60773
Telephone	Orange	101.4kHz	0173-0001-1	60774
Gas	Yellow	83.0kHz	0174-0001-1	60775
Cable TV	Orange/Black	77.0kHz	0175-0001-1	60776
Non-Potable/Gen I	Purple	66.35kHz	0178-0001-1	11059

COMMUNICATIONS KITS
GripPack Quick-Release Tool Holster

- Easy-on, easy off with new quick-release belt clip.
- Belt clip swivels so the holster moves with you and the tools stay out of your way.
- Form fitted PVC material ensures that tools don't fall out - even if you drop your kit or they are upside down.
- Molded specifically to hold the following Paladin Tools: Data SureStrip® UTP/STP & flat satin phone cutter/stripper, Datacomm scissors with serrated blades & ergonomic handles, Punchdown tool - either the ergonomic SurePunch® Pro or the original SurePunch® PDT, Mini-MagLite® or SurePunch® Pro detachable LED, and a Sharpie® marker.

CAT. NO.	DESCRIPTION
PA4940	GripPack Quick-Release Tool Holster
PA4941	GripPack SurePunch® *Pro* Technician's Kit
PA4942	GripPack SurePunch® *Pro* Installer's Kit
PA4943	GripPack SurePunch® Technician's Kit
PA4946	GripPack UTP Essentials
PA4940-31	Replacement Belt Clip

Grip Pack Kits

PA4945

DESCRIPTION	MODEL	PA4941	PA4942	PA4943	PA4946
GripPack Tool Holster	PA4940	✓	✓	✓	
Data SureStrip® UTP/STP & flat satin cutter/stripper	PA1116	✓	✓	✓	✓
Datacomm scissors	PA1931	✓	✓	✓	✓
Reversible 110/66 blade	PA4571	✓	✓	✓	✓
SurePunch® Pro PDT punchdown tool handle	PA3589	✓	✓		
SurePunch® PDT punchdown tool handle	PA3570			✓	✓
SurePunch® Pro detachable LED light & batteries	PA4599	✓	✓		
MagLite® with 2 AA batteries	N/A	✓		✓	
Black Sharpie® pen	N/A	✓		✓	

Pro COAX Tool Kit

NEW PRODUCT

Designed for the professional CATV cable installer. Offers the convenience in having six essential tools needed for coaxial repair and installation with a unique Grip Pack Pouch.

CAT. NO.	UPS NO.	DESCRIPTION
46601	01292	Pro COAX Tool Kit

46601 PRO COAX TOOL KIT INCLUDES

R	0251-08D	8" Diagonal Cutting Pliers, Dipped Grip
R	45591	RG59/6/6Q, RG7/11 Coaxial Cable Stripper
R	PA70020	RG59/6/6Q, RG7/11 Coaxial Cable Crimper
R	0153-42C	6-in-1 Multi-Tool (Screwdriver/Nut Driver Tool)
R	0354-14	Combo Ratcheting Closed and Open Ended 7/16" Wrench
R	FL2AAP	LED Water Resistant Penlight
R	PA5000	Custom Grip Pack Pouch with Belt Clip

Ultimate Technician Kit

CAT. NO.	DESCRIPTION	WEIGHT
PA4932	Ultimate Technician Kit	7.2 lbs

PA4932 ULTIMATE TECHNICIAN KIT INCLUDES

R	PA1179	KT8 round cable cutter
R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1257	LC-CST CATV "F" coax stripper
R	PA1923	Untwist tool
R	PA1927	CATV "F" flaring & attachment tool - RG6/RG6 QS
R	PA1559	SealTite® Pro compression crimper
R	PA1556	All-in-One Phone/Data tool
R	PA3589	SurePunch® Pro punchdown tool
R	PA4599	SurePunch® Pro detachable LED light
R	PA4572	110 blade
R	PA4591	Double 110 blade
R	PA4573	66 blade
R	PA4574	BIX blade
R	PA4575	Krone LSA blade
R	PA1543	LAN ProNavigator® tester & remote
R	PA1573	Telephone Test Set & LAN Cable-Check™
R	PA1902	RJ45 adapter
R	PA1900	Can wrench
	N/A	(10) RJ22 handset plugs
R	PA9520	(10) RJ11/12 plugs, stranded, flat cable
R	PA9546	(10) RJ45 plugs, Cat5e, solid, round cable
R	PA9644	(10) CATV "F" RG6/RG6 QS connectors
R	PA901074	(2) BNC-to-CATV "F" adapters
R	PA4923	Ultimate Tool Bag
	N/A	Plano® plastic tackle box

Ultimate Premise Service Kit

This kit is designed for today's on-the-go LAN professional. It provides all the tools and testers you need to maintain your data, voice and video networks all in our Ultimate Tool Bag that's always ready.

CAT. NO.	DESCRIPTION	WEIGHT
PA4933	Ultimate Premise Service Kit	6.1 lbs

PA4932 ULTIMATE PREMISE SERVICE KIT INCLUDES

R	PA1179	KT8 round cable cutter
R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1257	LC-CST CATV "F" coax stripper
R	PA8000	CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
R	PA3589	SurePunch® Pro punchdown tool
R	PA4572	110 blade
R	PA4573	66 blade
R	PA1543	LAN ProNavigator® tester & remote
R	PA1573	Telephone Test Set & LAN Cable-Check™
R	PA1902	RJ45 adapter
R	PA901074	(2) BNC-to-CATV "F" adapters
R	PA4923	Ultimate Tool Bag
	N/A	Plano® plastic tackle box
Die Sets:		
R	PA2062	Die Sets: RJ11/12 WE/SS-style
R	PA2687	Die Sets: RJ45 WE/SS-style & RG6/RG6 QS CATV "F"

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Ultimate Coax Compression Tool Kit

This kit is for installing home theaters, HDTV, satellite and digital cable TV systems. It contains everything needed for new home construction or retrofitting sophisticated A/V solutions.

CAT. NO.	DESCRIPTION	WEIGHT
PA4939	Ultimate Coax Compression Tool Kit	8.25 lbs

PA4939 ULTIMATE COAX COMPRESSION TOOL PRO KIT INCLUDES

	CAT. NO.	DESCRIPTION
R	PA1821	AM 35 Slitter
R	PA1179	KT8 Cutter
R	PA1119	UTP/Coax Cutter/Stripper
R	PA1280	CST Pro Coax tool
R	PA2280	CST Pro GRN Cassette
R	PA2281	CST Pro OG – Kings & Amphenol BNC
R	PA2282	CST Pro BK – ADC, Amphenol HDTV BNC
R	PA2283	CST Pro BL – CATV "F"
R	PA2284	CST Pro Rollers
R	PA1927	CATV "F" Flaring & Insertion Tool
R	PA1557	SealTite® Pro Compression Crimper
R	PA1907	BNC Extraction Tool
R	PA1908	CATV "F" Extraction Tool
R	PA1594	LAN & A/V Cable-Check™ Tester
	N/A	Plano® Tackle Box
R	PA4923	Ultimate Tool Bag
R	PA9645	(50) SealTite™ CATV "F" – RG59
R	PA9720	(10) SealTite™ RCA – RGX
R	PA9730	(10) SealTite™ BNC – RGX
R	PA906002	(30) Connector & Adapter Assortment Pack

Ultimate DataReady® Pro Kit

If you're an installer or technician needing a data cable tool kit solution, this is it. It includes all the tools you need for Cat5, Cat5e and Cat6 installation or maintenance in our rugged Ultimate Tool Bag.

CAT. NO.	DESCRIPTION	WEIGHT
PA4934	Ultimate DataReady® Pro Kit	5.15 lbs

PA4932 ULTIMATE DATAREADY® PRO KIT INCLUDES

	CAT. NO.	DESCRIPTION
R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1923	Untwist tool
R	PA8000	CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
R	PA3589	SurePunch® Pro punchdown tool
R	PA4599	SurePunch® Pro detachable LED light
R	PA4571	110/ 66 blade
R	PA4591	Double 110 blade
R	PA1543	LAN ProNavigator® tester & remote
R	PA4923	Ultimate Tool Bag
	N/A	Plano® plastic tackle box
Die Sets:		
R	PA2061	RJ45 WE/SS-style
R	PA2062	RJ11/12 WE/SS-style
R	PA2063	RJ22 handset
R	PA2064	RJ45 AMP-style
R	PA2067	RJ11 DEC-MMJ

Ultimate Data/Voice Pro Kit

This complete kit is for data and voice installation and maintenance stored in the new versatile Ultimate Tool Bag.

CAT. NO.	DESCRIPTION	WEIGHT
PA4935	Ultimate Data/Voice Pro Kit	4.5 lbs

PA4935 ULTIMATE DATA/VOICE PRO KIT INCLUDES

R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1923	Untwist tool
R	PA1561	All-in-One Phone/Data tool
R	PA3589	SurePunch® Pro punchdown tool
R	PA4572	110 blade
R	PA4573	66 blade
R	PA4591	Double 110 blade
R	PA1573	Telephone Test Set & LAN Cable-Check™
R	PA1900	Can wrench
R	PA4923	Ultimate Tool Bag
	N/A	Plano® plastic tackle box

Ultimate Tool Bag

- Main compartment features removable inner tote and 3 additional pockets.
- Removable inner tote with 8 adjustable storage slots keeps smaller tools handy.
- Detachable shoulder strap with 3 anchor points to carry bag horizontally or vertically.
- Deep Velcro pockets holds large tools or test equipment.
- Plano® divided tackle box neatly stores dies, blades & connectors. Fits into all outer pockets.
- Sturdy bottom prevents bag from flopping over when sitting upright.

CAT. NO.	DESCRIPTION	WEIGHT
PA4923	Ultimate Tool Bag with Plano® tackle box	2.2 lbs

Tools and bits not included

SealTite® Pro A/V Kit

The new SealTite® Pro A/V kit is all you need to make custom length digital and analog audio and component video cables using compression RCA, BNC and cable TV "F" connectors.

CAT. NO.	DESCRIPTION	WEIGHT
PA4915	SealTite® Pro A/V Kit	46 oz

SEALTITE® PRO A/V KIT INCLUDES

PA1119	Combination UTP/Coax Data SureStrip
PA1559	SealTite Pro Compression Crimper
N/A	2 sets of color bands for RCA & BNC Connectors

6 BONUS RG6/RG6 QS Compression Connectors

PA9714	(2) RCA
PA9715	(2) BNC
PA9643	(2) Cable TV "F"

SealTite® Pro Cable TV "F" Kit

Tackle all of your compression crimping jobs with the complete SealTite® Pro Kit. Includes all the tools you need to prepare the cable and terminate any compression connector using RG59, RG6 or RG6 Quad shield cables.

CAT. NO.	DESCRIPTION	WEIGHT
PA4910	SealTite® Pro Kit	46 oz

SEALTITE® PRO KIT INCLUDES

R	PA1179	KT8 round cable cutter
R	PA1257	LC CST CATV "F" coax stripper
R	PA1917	RG6/RG6 Quad shield flaring tool
R	PA1559	SealTite® Pro compression crimper
	N/A	RG6/RG6 Quad SealTite® connectors (10)

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CoaxReady™ Compression Tool Kit

Adding to our CoaxReady solutions, this kit has everything you will need to terminate any manufacturers' cable TV "F", RCA or BNC compression connectors using RG6, RG6 Quad or RG59 cable sizes.
- 12 piece kit
- Includes zippered cordura portfolio case

CAT. NO.	DESCRIPTION	WEIGHT
PA906003	CoaxReady™ Compression Tool Kit	3.5 lbs

COAXREADY™ COMPRESSION TOOL KIT INCLUDES

R	PA1821	AM 35 Slitter
R	PA1179	KT8 Cutter
R	PA1119	Data & A/V UTP & Coax Cutter/Stripper
R	PA1280	CST Pro Coax tool
R	PA2280	CST Pro GRN 3-Level Strip Blade Cartridge
R	PA2283	CST Pro OG 3-Level Strip Blade Cartridge
R	PA2282	CST Pro BK 3-Level Strip Blade Cartridge
R	PA2284	CST Pro Rollers
R	PA1927	CATV "F" Flaring & Insertion Tool
R	PA1555	SealTite® Pro Compression Crimper
	N/A	Zippered Cordura® Portfolio Case

CoaxReady™ Deluxe Kit

Perfect for LAN/Ethernet or video & CATV installation. For a wide variety of coaxial connectors including mini-coax and HDTV applications, CoaxReady™ Deluxe combines our most popular tools for a complete coax solution in a handy zipper case.
- Kit also includes terminators and adapters

CAT. NO.	DESCRIPTION	WEIGHT
PA901081	CoaxReady™ Deluxe Kit	3 lbs

COAXREADY™ DELUXE KIT INCLUDES

R	PA1179	KT8 round cable cutter
R	PA1255	LC CST-58/59 coax stripper
R	PA1578	SoHo Cable Check™
R	PA1302	1300 crimp tool frame with EZI-CHANGE™ thumb screws
	DIE SETS:	
R	PA2034	BNC/TNC - RG58/59/62AU
R	PA2649	BNC/TNC - CATV "F" RG59/6/Belden 8281/1694A and 1505A
R	PA2653	SMA/SMB/Mini 59 BNC & TNC/Mini-UHF

CoaxReady™ Kit

With this kit a technician is set to tackle most coaxial cabling challenges. Perfect for the LAN/Ethernet or video installation installer. For a wide variety of coaxial connectors including mini-coax applications, CoaxReady™ combines our most popular tools with the new LC CST coax stripper in a handy zippered case.

CAT. NO.	DESCRIPTION	WEIGHT
PA901054	CoaxReady™ Kit	2.5 lbs

COAXREADY™ KIT INCLUDES

R	PA1179	KT8 round cable cutter
R	PA1255	LC CST-58/59 coax stripper
R	PA1302	1300 crimp tool frame with EZI-CHANGE™ thumb screws
	DIE SETS:	
R	PA2034	BNC/TNC - RG58/59/62AU
R	PA2075	BNC/TNC - RG58/59/62AU RG6 Teflon/Plenum
R	PA2653	SMA/SMB/Mini 59 BNC & TNC/Mini-UHF

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Telco Technician Tool Kit

CAT. NO.	DESCRIPTION	WEIGHT
PA4938	Telco Technician Kit	7.6 lbs

BROADCASTREADY® PRO KIT INCLUDES

	CAT. NO.	DESCRIPTION
R	PA1116	Data SureStrip® UTP/STP Cutter/Stripper
R	PA1933	Datacomm Scissors
R	PA3570	SurePunch® Pro Punchdown Tool
R	PA4571	110/66 blade
R	PA4599	SurePunch® Pro Detachable LED Light
	N/A	Mini-MagLite®
	N/A	Sharpie® Black Marker
R	PA4940	GripPack Quick Release PDT Holster
R	PA1561	All-in-One Phone/Data Crimp Tool
R	PA9655	(50) RJ45 Cat5e Modular Plugs
R	PA9654	(50) RJ11 Modular Plugs
R	PA1902	RJ45 Adapter
R	PA1903	RJ11 Adapter
R	PA1573	Tone Probe Plus Cable-Check™
R	TM500	Butt Set
	N/A	Plano® Tackle Box
R	PA4923	Ultimate Tool Bag

BroadcastReady® Kit

The BroadcastReady™ Kit includes professional tools for cutting, stripping, crimping and testing coaxial cable connections for HDTV, video and RF communications. Protected by a padded, zipper case. Also includes a screwdriver to change out die sets.

CAT. NO.	DESCRIPTION	WEIGHT
PA901083	BroadcastReady® Kit	3 lbs

BROADCASTREADY® PRO KIT INCLUDES

	CAT. NO.	DESCRIPTION
R	PA1179	KT8 round cable cutter
R	PA1280	CST Pro Coax tool
R	PA2280	CST Pro GRN – common connectors
R	PA2281	CST Pro OG – Kings & Amphenol 3-piece
R	PA2282	CST Pro BK – ADC, Amphenol HDTV
	N/A	Screwdriver to change dies
R	PA1543	LAN ProNavigator® tester & remote
R	PA1600	1600 Series crimp frame

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DataComm Pro Starter Kit Max

This kit is also a starter kit for datacomm professionals.
- 66 piece kit
- Includes the complete solution for cutting, crimping, and terminating
- All the tools included come in a compact zipper case

CAT. NO.	DESCRIPTION	WEIGHT
PA4908	DataComm Pro Starter Kit	1.8 lbs

DATACOMM PRO STARTER KIT INCLUDES

R	PA1116	Data SureStrip® UTP/STP Cutter/Stripper
R	PA1931	Datacomm Scissors
R	PA3570	SurePunch® Pro Punchdown Tool
R	PA4528	110 Reversible blade
R	PA1561	All-in-One Phone/Data Crimp Tool
R	PA9520	(10) RJ45 Cat5e Modular Plugs
R	PA9654	(50) RJ11 Modular Plugs
	N/A	Compact Zipper Case

DataReady™ Pro Kit

A complete data cable installation kit providing everything to support the installer using commonly-available connectors, and punchdown termination blocks. All tools contained in a professional-quality, soft-sided zipper case with heavy-duty wrist strap.

CAT. NO.	DESCRIPTION	WEIGHT
PA901378	DataReady™ PRO Kit	4 lbs
PA9013781	DataReady™ PRO Kit - Krone*	4 lbs

DATAREADY™ PRO KITS INCLUDE

R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1923	Untwist Tool
R	PA3589	SurePunch® Pro punchdown tool
R	PA4599	SurePunch® Pro detachable LED light
R	PA4591	Double 110 blade
R	PA4571	110/ 66 blade**
R	PA1543	LAN ProNavigator® UTP/STP continuity tester & remote
R	PA8000	CrimpALL® crimp frame with EZI-CHANGE™ thumb screws

DIE SETS:

R	PA2061	RJ45 WE/SS-style
R	PA2062	RJ11/12 WE/SS-style
R	PA2063	RJ22 handset
R	PA2064	DRJ45 AMP-style
R	PA2067	RJ11 DEC-MMJ

* Additional 110 blade included in PA9013781 Kit
** Replaced with Krone blade PA4575 (only with PA9013781 Kit)

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A Textron Company

DataReady™ Kit

The complete Category 5 datacomm tool set in a handy zipper case. Everything needed for a CAT-5 installation except the cable.

CAT. NO.	DESCRIPTION	WEIGHT
PA901053	DataReady™ Kit	3 lbs
PA9010531	DataReady™ Kit - AMP/Krone*†	3 lbs

DATEREADY™ KITS INCLUDE

R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1561	All-in-One Phone/Data tool*
R	PA3570	SurePunch® Impact Punchdown Tool
R	PA4571	110/ 66 blade**
R	PA1576	Data Link/ID and Cable-Check™ Tester
	N/A	(20) RJ45 plugs, Cat5e, solid/stranded; flat/round cable
	N/A	Zipper Case with Carrying Strap

* WE/SS - style replaced with AMP - style #1557
** Contains 110 & Krone blades PA4575 (only with PA9010531 Kit)

Premise Service Kit

Our biggest data, voice, and coaxial LAN installation kit provides everything for twisted pair and coaxial cable installation. All tools contained in a professional blow-mold case complete with form-fitting foam.

CAT. NO.	DESCRIPTION	WEIGHT
PA901039	Premise Service Kit	7.6 lbs
PA9010391	Premise Service Kit - AMP/Krone*	7.6 lbs

PREMISE SERVICE KITS INCLUDE

R	PA1179	KT8 round cable cutter
R	PA1257	LC-CST CATV "F" coax stripper*
R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA8000	CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
R	PA3589	SurePunch® Pro punchdown tool
R	PA4599	SurePunch® Pro detachable LED light
R	PA4578	110 blade
R	PA4573	66 blade***
R	PA1543	LAN ProNavigator® UTP/STP continuity tester & remote
R	PA1573	Telephone Test Set & LAN Cable-Check™
R	PA1902	RJ45 8-way adapter

DIE SETS:

R	PA2062	RJ11/12 WE/SS-style**
R	PA2687	RJ45 WE/SS-style & RG6/RG6 QS CATV "F"**

*   Replaced with LC CST-58/59 coax stripper PA1255
** Replaced with RJ45 AMP-style & RG58/59 BNC/TNC dies PA2034, PA2064, PA2065
*** Replaced with BIX or Krone blade #PA4575 (only with PA9010391 Kit)

Network Tool Bundle

This new bundle provides the perfect solution for DIYers that want to use professional tools or for small contractors just starting out installing networks. It includes everything you need but the cable to get the job done.

CAT. NO.	DESCRIPTION	WEIGHT
PA4909	Network Tool Bundle	18.4 oz

PA4909 NETWORK TOOL BUNDLE INCLUDES

R	PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
R	PA1561	All-in-One Phone & Data Tool
R	PA3580	Non-impact 110 punchdown
R	PA9546	10, RJ45 Cat5e plugs
R	PA9520	10, RJ11 plugs

Computer Service Kit

- 3.6V cordless screwdriver, battery & charger.
- ESD wrist strap.
- 30-watt soldering iron.
- Desolderer & soldering aid with pick & scraper/cutter tip.
- Needle nose pliers (2).
- Angled-head lead cutter.
- Insulated tweezers.
- Component gripper & IC extractor.
- 10-piece driver socket set.
- 24-piece driver bit set: Torx, Hex, Phillips, Pozidrive, Slotted, and Square-Head.
- Socket adapter/extender & socket bit holder/extender.

CAT. NO.	DESCRIPTION	WEIGHT
PA4370	Computer service kit	4.5 lbs

Cordless Screwdriver & Socket Set

- Adjustable torque up to 21.7in-lbs (2.4 N-m).
- Includes 3.6V rechargeable battery.
- AC adapter/battery charger & bit holder included.
- Forward/reverse direction.
- One-hand operation.
- Handle swings easily from pistol to rod form.
- Includes 14-piece socket set: 6-12 mm; 3/16"-1/2".
- Includes 26-piece driver bits: 3 slotted, 5 Torx, 3 Phillips, 3 Robertson, 12 hex.
- Accepts 1/4" bits.

SPECIFICATIONS

Weight	1.38 lbs. (.63 kg)
Length	9.52" (242 mm)
Power Requirements	3.6V NiCd battery
Battery Life	Approx. 600 cycles
Charging Time	3-6 hours
AC adapter input	120VAC 50-60Hz
No-load Speed	170 rpm
Motor	3.6VDC
Max. torque	21.7 in-lbs. (2.4 N-m)

Not for use on precision torque screw requirements.

CAT. NO.	DESCRIPTION
PA4336	Cordless screwdriver & socket set
PA6000	Replacement battery)
PA6001	Battery Charger

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TERMINATION & TESTING
Voice and Category 5 Data Termination Kit

- Includes the tools and connectors necessary for installing a voice and data network.
- Durable Cordura® Plus zipper case protects and organizes tools and includes a see-through pouch for storing connectors.
- Outside pockets provide convenient storage of instruction manuals or worksite documents.

CAT. NO.	UPC NO.	DESCRIPTION
45469	45469	Voice and Category 5 Data Termination Kit

Kit Includes:

CAT. NO.	UPC NO.	DESCRIPTION
45482	45482	Cable Cutter
45579	45579	Kwik Stripper® Twisted Pair Stripper
46023	46023	Punchdown Tool with 110 Blade
46022	46022	66 Style Punchdown Blade
45575	45575	Telephone Ratchet Crimper for 4-, 6- and 8-Position Modular Plugs
45760	45760	Category 5 Connectors RJ45, 8-Position (Qty. 50)
45479	45479	Zipper Case

Category 5 Data Termination and Test Kit

- Includes the tools, connectors and testers necessary for installing a Cat 5 data network.
- Durable Cordura® Plus zipper case protects and organizes tools and includes a see-through pouch for storing connectors.
- Outside pockets provide convenient storage of instruction manuals or worksite documents.

CAT. NO.	UPC NO.	DESCRIPTION
45470	45470	Category 5 Data Termination and Test Kit

Kit Includes:

CAT. NO.	UPC NO.	DESCRIPTION
45482	45482	Cable Cutter
45579	45579	Kwik Stripper® Twisted Pair Stripper
46023	46023	Punchdown Tool with 110 Blade
45575	45575	Telephone Ratchet Crimper for 4-, 6- and 8-Position Modular Plugs
45760	45760	Category 5 Connectors RJ45, 8-Position (Qty. 50)
468T	60379	Modular Cable Tester Transmitter with Tone Generator
468R	60380	Modular Cable Tester Receiver
45485	45485	Zipper Case

FIBER OPTIC HAND TOOLS

ProGrip 5-in-1 Fiber Optic Stripper

- Precision ground stripping cavities for:
  - 2.0 - 2.4 mm outer jacket
  - 2.0 - 3.0 mm loose tube
  - 2.8 - 3.0 mm outer jacket
  - 900 µm buffer insulation
  - 900/125 µm and 250/125 µm buffer/acrylate
- Factory calibrated.

CAT. NO.	DESCRIPTION
PA1171	ProGrip 5-in-1 Fiber Optic Stripper

ProGrip 3-in-1 Fiber Optic Stripper

- Precision ground stripping cavities for:
  - 2.0 mm outer jacket
  - 900 µm buffer insulation
  - 250 µm buffer/acrylate
- Factory calibrated.

CAT. NO.	DESCRIPTION
PA1177	ProGrip 3-in-1 Fiber Optic Stripper

Economy Kevlar® Cutter

- Cut protective Kevlar strands in fiber optic cable.
- Hard-chromed serrated edges to easily cut through Kevlar.
- Comfortable handles with large finger openings.
- 7.75" (197 mm) long

CAT. NO.	DESCRIPTION	WEIGHT
PA1511	Economy Kevlar Cutter	2 oz

Kevlar is a registered trademark of E.I. Dupont, Inc.

Economy Fiber Optic Stripper

- Pre-calibrated and factory set to ensure precision.
- Bright orange rubber dipped handles.
- Lock closure for safety and transport.
- Tool is for stripping 2.0-3.0 mm Fiber Optic cable, micron-cladded core.
- 5" (127 mm) long

SPECIFICATIONS

Weight	3 oz. (86 g)
Length	5" (127 mm)

CAT. NO.	DESCRIPTION	WEIGHT
PA1162	Economy Fiber Optic Stripper	3 oz

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Pocket Cable Stripper

- Specifically designed for stripping power and telecommunications cables from 3/4" to 1-1/2" in diameter (19 mm to 40 mm).
- Strips solid conductor, stranded conductor and multiple conductor cables.
- Easy blade depth adjustment.
- Blade rotates for circular, longitudinal and spiral cuts.

CAT. NO.	UPC NO.	DESCRIPTION
1903	12679	Cable Stripping Tool
R 13544	13544	Replacement Blade (2 per package)
R 13545	13545	Replacement Small Hook
R 13546	13546	Replacement Large Hook

Fiber Optic Scribe

- Pen-type scribe with screw-in non-reversible carbide tip.
- Wedge shaped tip.
- Pocket-clip.
- Stainless steel barrel.
- 5.25" (197 mm)

CAT. NO.	DESCRIPTION	WEIGHT
PA1922-1	Fiber Optic Scribe	2 oz

Fiber Optic Polishing Pucks

- Manufactured from aluminum with tungsten coating.
- Cleaner than conventional plastic pucks because less debris left behind.
- Double the lifetime of conventional plastic pucks.
- Length: 7.75" (197 mm)

CAT. NO.	DESCRIPTION	WEIGHT
PA1920-1	SC, ST, FC Polishing Puck	2 oz
PA1926-1	LC Polishing Puck	2 oz

Fiber Optic Inspection Microscope

- High-powered microscope is used to check a connector's endface for excess epoxy, core or cladding chips or other irregularities that degrade optical performance of the connector.
- Laser safety filter protects eyesight.
- Rubber eyecup for comfortable use.
- Rugged aluminum housing.
- 200X magnification.
- Universal adapter works with ST, SC or FC connectors.
- Includes padded nylon carrying case.

CAT. NO.	UPC NO.	DESCRIPTION
45651	45651	Fiber Optic Inspection Microscope

Connector Cleaning Systems

- Special lint-free fabric-on-a-reel quickly cleans ferrule endfaces of dust, oil and other contaminants.
- Cleaning system is completely self-contained.
- No need for alcohol.
- A single cleaning reel can be used for over 400 ferrule cleanings.
- ReelCleaner™ can be used on all connector types including MTP and MT-RJ.

	CAT. NO.	UPC NO.	DESCRIPTION
	948	60692	ReelCleaner™ Connector Cleaning System
R	948/2	10792	Reel Set, 2/Package
R	945/ESD/1	24053	Reel Set, 1/Package

Adapter Cleaning Wands
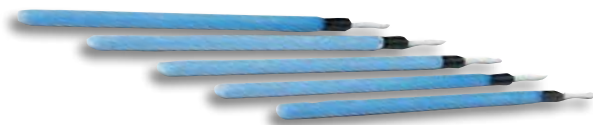
- Specially-created, lint-free materials clean hard-to-reach fiber optic interfaces, bulkhead adapters and ferrule alignment sleeves.

CAT. NO.	UPC NO.	DESCRIPTION
946	60571	2.5 mm Cleaning Wands, 10/Package
946K	60689	2.5 mm Cleaning Wands, 200/Box
947	60690	1.25 mm Cleaning Wands, 10/Package
947K	60691	1.25 mm Cleaning Wands, 200/Box

Fiber Optic Consumables Kit

- Contains the most commonly used consumables for epoxy and polish fiber optic terminations.

CAT. NO.	UPC NO.	DESCRIPTION
45656	45656	Fiber Optic Consumables Kit

FIBER OPTIC TESTING
525-90 PON Optical Loss Test Set

- 1310/1490/1550nm.
- Automated Insertion/Return Loss measurements.
- One button AUTOTEST.
- Stores 1000 measurement results.
- Cable acceptance software for report generation and fiber optic cable management.
- Optical power meter.
- Optical return loss meter.
- Rechargeable batteries.
- Rugged package for outside plant environment.

CAT. NO.	UPC NO.	DESCRIPTION
525-90-FC	00899	PON Optical Loss Test Set (1310/1490/1550 nm)
525-90-SC	00900	PON Optical Loss Test Set (1310/1490/1550 nm)

SPECIFICATIONS

POWER METER

Detector Type	InGaAs
Display Range	+10 dBm to -70 dBm
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1625
Absolute Accuracy	<±0.25 dB
Resolution	0.01 dB
Measurement Units	dBm, dB

SOURCE

Center Wavelength	1310 nm ± 30 nm	1490 nm ± 30 nm	1550 nm ± 30 nm
Spectral Width	<5	<5	<5
Output Power	>-10 dBm	>-10 dBm	>-10 dBm
Output Stability	<±0.15 dB/8 hrs	<±0.15 dB/8 hrs	<±0.15 dB/8 hrs
Bulkhead Type	UCI-APC polish adapter 9-125 SM SOC Adapter		

See page 368 for available adapters.

SPECIFICATIONS

AUTOTEST INSERTION LOSS

Test Port	40 dB
Measurement Range Calibrated Wavelengths	1310, 1490, 1550 nm

RETURN LOSS

Measurement Range	10 to 45 dB
Accuracy	.5 dB

GENERAL SPECIFICATIONS

Display Type	Graphics Liquid Crystal with Backlight
Fiber Type	Singlemode 9/125 um
Standard Adapter Type	FC, SC, ST other adapter options available
Laser Classification	Class 1 CFR 1040
Operating Temperature	0° C to +50° C
Storage Temperature	-20° C to +60° C
Relative Humidity	0 to 95% RH non-condensing
Size	7.6 x 4.3 x 2.3 in. (19.3 x 10.9 x 5.8 cm)
Weight	2.2 lbs. (1.0 kg)
Power	Internal rechargeable NiMH
Battery Life	> 8 hours

525-60 Smart Optical Loss Test Set

- Automated bi-directional testing.
- Optical return loss measurements.
- Dual wavelength insertion loss measurements.
- Multi-mode and Single-mode models feature user settable PASS/FAIL thresholds.
- Communications between units via messaging.
- Wide dynamic range optical power meter.
- Test record storage and data management software.
- Rugged outside plant instrument package.
- Universal connector interface.

CAT. NO.	UPC NO.	DESCRIPTION
525-60-FC	00894	1310/1550 nm Smart Optical Loss Test Set - PC Connectors
525-60-SC	00895	1310/1550 nm Smart Optical Loss Test Set - APC Connectors
525-60-ST	00896	1310/1550 nm Smart Optical Loss Test Set - APC Connectors
525-60RLAPC-FC	00897	1310/1550 nm Smart Optical Loss Test Set - APC Connectors
525-60RLAPC-SC	00898	1310/1550 nm Smart Optical Loss Test Set - APC Connectors

SPECIFICATIONS

		525-60-XX	525-60RLAPC-XX
	Instrument Type	Singlemode Smart Loss Test Set	Singlemode Smart Loss Test Set
	Interface Connector	PC Connector Interface AUTOTEST performs	APC Connector Interface AUTOTEST performs
	AUTOTEST measurements	Insertion Loss Test and Manual Return Loss	Insertion and Return Loss in one Test

POWER METER SPECIFICATIONS

		525-60-XX	525-60RLAPC-XX
Detector Type		InGaAs	InGaAs
Display Range		+10 dBm to -70 dBm	+10 dBm to -70 dBm
Calibrated Wavelengths		850, 980, 1300, 1310, 1550, 1480, 1625	850, 980, 1300, 1310,1550, 1480, 1625
Absolute Accuracy		±0.25 dB	±0.25 dB
Resolution		0.01 dB	0.01 dB
Measurement Units		dBm, dB, W	dBm, dB, W
Adapter Type		UCI-UPC flat polish adapter 9/125SM	UCI-UPC flat polish adapter 9/125SM

SOURCE SPECIFICATIONS

	525-60-XX		525-60RLAPC-XX	
Center Wavelength	1310 nm ±30 nm	1550 nm ±30 nm	1310 nm ±30 nm	1550 nm ±30 nm
Spectral Width	<5	<5	<5	<5
Output Power	>-10 dBm	>-10 dBm	>-10 dBm	>-10 dBm
Output Stability	±0.15 dB	±0.15 dB	±0.15 dB	±0.15 dB
	8 hours	8 hours	8 hours	8 hours

AUTOTEST INSERTION LOSS SPECIFICATIONS

	525-60-XX	525-60RLAPC-XX
Test Port Measurement Range	40 dB	40 dB
Calibrated Wavelengths	1310, 1550 nm	1310, 1550 nm

RETURN LOSS SPECIFICATIONS

	525-60-XX	525-60RLAPC-XX
Measurement Range	10 to 45 dB	10 to 45 dB
Accuracy	.5 dB	.5 dB

GENERAL DESCRIPTIONS

	525-60-XX	525-60RLAPC-XX
Display Type	Graphics Liquid Crystal with Backlight	Graphics Liquid Crystal with Backlight
Fiber Type	Singlemode 9/125 um	Singlemode 9/125 um
Standard Adapter Type	FC, SC, ST other adapter options available	FC, SC, ST other adapter options available
Laser Classification	Class 1 CFR 1040	Class 1 CFR 1040
Operating Temperature	0° C to +50° C	0° C to +50° C
Storage Temperature	-20° C to +60° C	-20° C to +60° C
Relative Humidity	0 to 95% RH non-condensing	0 to 95% RH non-condensing
Size	19.3 x 10.9 x 5.8 cm (7.6 x 4.3 x 2.3 in)	19.3 x 10.9 x 5.8 cm (7.6 x 4.3 x 2.3 in)
Weight	1.0 kg (2.2 lbs)	1.0 kg (2.2 lbs)
Power	Internal rechargeable NiMH	Internal rechargeable NiMH
Battery Life	>8 hours	>8 hours

525-30 Smart Optical Loss Test Set

- Automated dual cable testing.
- Optical return loss measurements.
- Dual wavelength insertion loss measurements.
- Multi-mode and Single-mode models feature user settable PASS/FAIL thresholds.
- Communications between units via messaging.
- Wide dynamic range optical power meter.
- Test record storage and data management software.
- Rugged outside plant instrument package.
- Universal connector interface.

CAT. NO.	UPC NO.	DESCRIPTION
525-30-FC	00891	850/1300nm Smart Optical Loss Test Set - PC Connectors

SPECIFICATIONS

POWER METER

Detector Type	InGaAs
Display Range	+10 dBm to -70 dBm
Calibrated Wavelengths	850, 980, 1300, 1310, 1550, 1480, 1625 nm
Absolute Accuracy	<±0.25 dB
Resolution	0.01 dB
Measurement Units	dBm, dB

SOURCE

Center Wavelength	850 nm ±30 nm	1300 nm ±30 nm
Spectral Width	<170	<170
Output Power	>-21 dBm	>-21 dBm
Output Stability	<±0.10 dB/8 hrs	<±0.10 dB/8 hrs
HOMP		0.03 dB to 0.80 dB
Adapter Type	UCI-APC flat polish adapter 62.5/125 SM	

See page 368 for available adapters.

AUTOTEST INSERTION LOSS

Test Port

Measurement Range	25 dB
Calibrated Wavelengths	850, 1300 nm

GENERAL SPECIFICATIONS

Display Type	Graphics Liquid Crystal with Backlight
Fiber Type	Multimode 62.5/125 um
Standard Adapter Type	FC, SC, ST other adapter options available
Operating Temperature	0° C to +50° C
Storage Temperature	-20° C to +60° C
Relative Humidity	0 to 95% RH non-condensing
Size	7.6 x 4.3 x 2.3 in. (19.3 x 10.9 x 5.8 cm)
Weight	2.2 lbs. (1.0 kg)
Power	Internal rechargeable NiMH
Battery Life	> 8 hours

Fiber Optic Power Meter

- Easy to use - three buttons control all functions.
- Loss measurements in (dB); power measurements in (dBm).
- 0.01 dB measurement resolution.
- Multi-wavelength storage - store and recall reference power levels for faster, more efficient measurements.
- Snap-On connector interface adapts to FC, SC and ST connectors.
- Long battery life.
- User selectable auto shut-off.
- Rugged and splash-proof.
- Economically priced.

	CAT. NO.	UPC NO.	DESCRIPTION
	560XL	84485	Fiber Optic Power Meter
A	1062	60575	SC/PC UCI Adapter
A	T1020	60576	FC/PC SOC Adapter
A	T1030	60577	ST/PC SOC Adapter

SPECIFICATIONS

OPTICAL

Calibration Wavelengths	850 nm, 1300 nm, 1310 nm and 1550 nm
Power Range	+3 dBm to -60 dBm
Accuracy	± 0.25 dB

Linearity	
+3dBm to -3dBm	±0.5 dB
-3dBm to -50dBm	±0.5 dB
-50dBm to -60dBm	±0.5 dB

Resolution	0.01 dB
Power Requirements	Two AA size 1.5V batteries (approx. 100 hours continuous operation)
Connector interface	FC, SC or ST SOC Adapter

SPECIFICATIONS

Environmental

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

Silicon Fiber Optic Power Meter

NEW PRODUCT

- Easy to use - three buttons control all functions
- Loss measurements in (dB); power measurements in (dBm)
- 0.01 dB measurement resolution
- Snap on connector interface adapts to FC, SC and ST connectors. Contact Greenlee for other available adapters.
- Long battery life
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

CAT. NO.	UPC NO.	DESCRIPTION
567XL	00025	XL fiberTOOLS - Silicon Fiber Optic Power Meter

SPECIFICATIONS

OPTICAL

Detector Type	3 x 3.5 mm Silicon	
Calibration Wavelengths	635 nm, 780 nm, and 850 nm	
Power Range	+3 dBm to -60 dBm	
Accuracy	±0.25 dB	
Linearity at:	+3 dBm to -3 dBm	±0.5 db
	-3 dBm to -50 dBm	±0.05 db
	-50 dBm to -60 dBm	±0.5 db
Resolution	0.01 dB	
Power Requirements	Two AA size 1.5V batteries	
	(approx. 100 hours continuous operation)	
Connector Interface	SOC	

SPECIFICATIONS

Environmental

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

High Intensity Fiber Optic Power Meter

NEW PRODUCT

- Easy to use - three buttons control all functions
- Multi-Wavelength Storage: Store and recall reference power levels for faster, more efficient measurements!
- 0.01dB measurement resolution
- Loss measurements in (dB); power measurements in (dBm)
- Snap on connector interface adapts to FC, SC and ST connectors. Contact Greenlee for other available adapters.
- Long battery life
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

CAT. NO.	UPC NO.	DESCRIPTION
568XL	00026	XL fiberTOOLS - High Intensity Optic Power Meter

SPECIFICATIONS

OPTICAL

Detector Type	2 mm indium-arsenide (InGaAs)	
Calibration Wavelengths	980 nm, 1310 nm, and 1550 nm	
Power Range	+25 to -30 dBm (1310 nm and 1550 nm); +25 to -27 dBm measurement range at 980 nm. To avoid thermal damage, limit exsposure high power (greater than +23 dBm) to less than 30 minutes.; +25 to -27 dBm (980 nm only)	
Linearity at:	+25 dBm to +22 dBm	±1.0 dB
(1310nm and 1550nm)	+22 dBm to +18 dBm	±0.5 dB
	+18 dBm to +10 dBm	±0.2 dB
	+10 dBm to -30 dBm	±0.05 dB
Absolute Accuracy	±0.25dB at calibration conditions	
Wavelength Dependence	975 to 985 nm	0.025 dB/nm
	1270 to 1330 nm	0.0033 dB/nm
	1500 to 1625 nm	0.0016 dB/nm
Polarization Dependence	<0.1 dB	
Resolution	±0.01 dB	
Power Requirements	Two AA size 1.5V batteries	
	(approx. 100 hours continuous operation)	
Connector Interface	SOC	

SPECIFICATIONS

Environmental

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

USA PHONE 800.435.0786   **CANADA** PHONE 866.384.8813   **INT'L** PHONE +1.815.397.7070
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www.greenlee.com   **359**

850/1300 nm LED Source

- 850/1300 nm wavelengths.
- Stable calibrated output.
- Easy to use.
- Continuous wave and modulated output.
- Fixed connector interface FC, SC or ST.
- Long battery life - approx. 80 hours.
- User selectable auto shut-off.
- Rugged and splash-proof.
- Economically priced.

CAT. NO.	UPC NO.	DESCRIPTION
570XL-FC	84486	850/1300 nm LED source w/FC interface
570XL-SC	84487	850/1300 nm LED source w/SC interface
570XL-ST	84488	850/1300 nm LED source w/ST interface

SPECIFICATIONS

OPTICAL

Center Wavelengths	850 nm	1300 nm
Range (typical)	840 nm to 880 nm	1270 nm to 1345 nm
Max. spectral width	55 nm	150 nm
Stability (1 hour)	±0.05 dB	±0.05 dB
Typical power output		
100/140um	-13 dBm	-20 dBm
62.5/125um	-13 dBm	-20 dBm
50/125um	-14 dBm	-21 dBm
Modulation frequency	270 kHz, 1 kHz and 2 kHz	270 kHz, 1 kHz and 2 kHz
Power Requirements	Two AA size 1.5V batteries	Two AA size 1.5V batteries
(approx. 80 hours continuous operation)		
Connector interface	FC, SC or ST	FC, SC or ST

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

1310/1550 nm Laser Source

- 1310/1550nm wavelengths.
- Stable calibrated output.
- Easy to use.
- Continuous wave and modulated output.
- Fixed connect interface FC, SC or ST.
- Long battery life - approx. 80 hours.
- User selectable auto shut-off.
- Rugged and splash-proof.
- Economically priced.

CAT. NO.	UPC NO.	DESCRIPTION
580XL-FC	84489	1310/1550nm Laser source w/FC interface
580XL-SC	84490	1310/1550nm Laser source w/SC interface
580XL-ST	84491	1310/1550nm Laser source w/ST interface

SPECIFICATIONS

OPTICAL

Center Wavelengths	1310 nm	1550 nm
Range (typical)	1280 nm to 1340 nm	1520 nm to 1580 nm
Max. spectral width	<5 nm	<5 nm
Stability (1 hour)	±0.05 dB	±0.05 dB
Typical power output (9/125)		
Minimum	-8 dBm	-8 dBm
Typical	-7 dBm	-7 dBm
Modulation frequency	270 kHz, 1 kHz and 2 kHz	270 kHz, 1 kHz and 2 kHz
Power Requirements	Two AA size 1.5V batteries	Two AA size 1.5V batteries
(approx. 80 hours continuous operation)		
Connector interface	FC, SC or ST	FC, SC or ST

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4
CDRH Laser Class	Class 1

GREENLEE A Textron Company

TRUSTED SINCE 1862

650 nm LED Source for Large Core Plastic and Glass Fiber

NEW PRODUCT

- 650 nm wavelength
- Stable calibrated output
- Easy to use
- Continuous wave and modulated output
- ST connector interface
- Long battery life - approx. 24 hours
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

CAT. NO.	UPC NO.	DESCRIPTION
573XL-ST	00023	650NM LED source w/ST interface
573XL-UNIV	00598	650NM LED source w/UCI interface

SPECIFICATIONS

OPTICAL

Center Wavelength	650 nm
Range (Typical)	630 nm to 670 nm
Max. Spectral Width (FWHM)	40 nm
Stability (1 hour)	±0.05 dB
Power Output into	-15 dBm ±0.5 dB
MM 200/300 SI Fiber	
Modular Frequencies	270 kHz, 1 kHz and 2 kHz ±0.5 dB
Power Requirements	Two AA size 1.5V batteries
	(approx. 24 hours continuous operation)
Connector Interface	ST

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

1300 nm LED Source with M90 Launch Condition using 62.5/1.25 Fiber

NEW PRODUCT

- 850 nm wavelength
- Stable calibrated output
- Easy to use
- Continuous wave and modulated output
- Universal connector interface
- Long battery life - approx. 24 hours
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

	CAT. NO.	UPC NO.	DESCRIPTION
	578XL-M90	00753	LED Source 1300 NM, 62.5/1.25 Fiber
A	ACP-108	60572	FC/PC UCI Adapter
A	AST-108	60573	ST/PC UCI Adapter
A	ASC-108	60574	SC/PC UCI Adapter

SPECIFICATIONS

OPTICAL

Center Wavelength	1300 nm
Range (Typical)	150 nm
Max. Spectral Width (FWHM)	<55 nm
Stability (1 hour)	±0.05 dB
Launch Profile	M90
Power Output into MM 62.5/125	-20 dBm
GI fiber	
Modular Frequencies	270 kHz, 1 kHz and 2 kHz ±5%
Power Requirements	Two AA size 1.5V batteries
	(approx. 24 hours continuous operation)
Connector Interface	Universal connector interface, physical contact (UCI-PC)

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

850 nm LED Source with AS-100 Launch Condition using 100/140 Fiber

NEW PRODUCT

- 850 nm wavelength
- Stable calibrated output
- Easy to use
- Continuous wave and modulated output
- Universal connector interface
- Long battery life - approx. 24 hours
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

CAT. NO.	UPC NO.	DESCRIPTION
577XL AS100	00029	850 nm LED source w/AS100 Launch
A ACP-108	60572	FC/PC UCI Adapter
A AST-108	60573	ST/PC UCI Adapter
A ASC-108	60574	SC/PC UCI Adapter

SPECIFICATIONS

OPTICAL

Center Wavelength	850 nm
Range (Typical)	840 nm to 880 nm
Max. Spectral Width (FWHM)	<55 nm
Stability (1 hour)	±0.05 dB
Launch Profile	AS100
Power Output into MM 100/140 GI fiber	-13 dBm ±0.5 dB
Modular Frequencies	270 kHz, 1 kHz and 2 kHz ±5%
Power Requirements	Two AA size 1.5V batteries (approx. 24 hours continuous operation)
Connector Interface	Universal connector interface, physical contact (UCI-PC)

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241 g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

Multimode Fiber Optic Test Set

- Insertion loss test set for multimode fiber.
- 850/1300 nm loss measurements.
- Connector for FC, SC or ST.
- Rugged package design.
- Easy to use portable package.
- Economically priced.

SPECIFICATIONS

5670-FC INCLUDES:
- 560XL Optical Power Meter
- 570XL-FC 850/1300 nm LED Source w/FC Connector
- T1020 FC/PC SOC Adapter
- 914B Carrying Case

5670-SC INCLUDES:
- 560XL Optical Power Meter
- 570XL-SC 850/1300 nm LED Source w/SC Connector
- SC/PC SOC Adapter
- 914B Carrying Case

5670-ST INCLUDES:
- 560XL Optical Power Meter
- 570XL-ST 850/1300 nm LED Source w/ST Connector
- T1030 ST/PC SOC Adapter
- 914B Carrying Case

CAT. NO.	UPC NO.	DESCRIPTION
5670-FC	84492	Multimode Fiber Optic Test Set w/FC interface
5670-SC	84493	Multimode Fiber Optic Test Set w/SC interface
5670-ST	84494	Multimode Fiber Optic Test Set w/ST interface

Singlemode Fiber Optic Test Set

- Insertion loss test set for singlemode fiber.
- 1310/1550 nm loss measurements.
- Connector for FC, SC or ST.
- Rugged package design.
- Easy to use portable package.
- Economically priced.

KIT SPECIFICATIONS

5680-FC INCLUDES:
- 560XL Optical Power Meter
- 580XL-FC 1310/1550 nm Laser Source w/FC Connector
- T1020 FC/PC SOC Adapter
- 914B Carrying Case

5680-SC INCLUDES:
- 560XL Optical Power Meter
- 580XL-SC 1310/1550 nm Laser Source w/SC Connector
- 1062 SC/PC SOC Adapter
- 914B Carrying Case

5680-ST INCLUDES:
- 560XL Optical Power Meter
- 580XL-ST 1310/1550 nm Laser Source w/ST Connector
- T1030 ST/PC SOC Adapter
- 914B Carrying Case

CAT. NO.	UPC NO.	DESCRIPTION
5680-FC	84495	Singlemode Fiber Optic Test Set w/FC interface
5680-SC	84496	Singlemode Fiber Optic Test Set w/SC interface
5680-ST	84497	Singlemode Fiber Optic Test Set w/ST interface

Multimode and Singlemode Fiber Optic Test Set

- Insertion loss test set for multimode and singlemode fiber.
- 850/1300 nm Loss measurements.
- 1310/1550 nm Loss measurements.
- Connector for FC, SC or ST.
- Rugged package design.
- Easy to use portable package.
- Economically priced.

KIT SPECIFICATIONS

5890-FC INCLUDES:
- 560XL Optical Power Meter
- 570XL-FC 850/1300 nm LED Source w/FC Connector
- 580XL-FC 1310/1550 nm Laser Source w/FC Connector
- T1020 FC/PC SOC Adapter
- 915B Carrying Case

5890-SC INCLUDES:
- 560XL Optical Power Meter
- 570XL-SC 850/1300 nm LED Source w/SC Connector
- 580XL-SC 1310/1550 nm Laser Source w/SC Connector
- 1062 SC/PC SOC Adapter
- 915B Carrying Case

5890-ST INCLUDES:
- 560XL Optical Power Meter
- 570XL-ST 850/1300 nm LED Source w/ST Connector
- 580XL-ST 1310/1550 nm Laser Source w/ST Connector
- T1030 ST/PC SOC Adapter
- 915B Carrying Case

CAT. NO.	UPC NO.	DESCRIPTION
5890-FC	84498	Multimode and Singlemode Fiber Optic Test Set w/FC interface
5890-SC	84499	Multimode and Singlemode Fiber Optic Test Set w/SC interface
5890-ST	84500	Multimode and Singlemode Fiber Optic Test Set w/ST interface

Visual Fault Finder

- Continuous wave output mode for steady fault location.
- Find breaks to 5km.
- Blinking output mode increases viewing contrast.
- Easy to use quick interface fits all 2.5mm connector interfaces (FC, SC, ST).
- 1.0mW output power.
- Ergonomic rotary switch permits easy one-handed operation.
- Rugged, compact and splash-proof aluminum design.
- Two AA batteries provide 48 hours continuous operation.
- Nylon belt holster included.

SPECIFICATIONS

OPTICAL

Light source type	635 nm red laser diode
Center wavelength	
Nominal	635 nm
Range (typical)	630 nm to 640 nm
Spectral width (FWHM)	<2 nm
Typical output power	1.0 mW (0dBm) into Single Mode (SMF-28) fiber
Blink frequency in	
MOD mode	<3hz approximate)
Power Requirements	Two AA size 1.5V batteries
(Battery life Approx. 48 hours continuous operation)	
Connector interface	Standard "Quick Connect" universal 2.5 mm receptacle

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-10° C to +50° C
Storage temperature	-40° C to +60° C
Humidity	0 to 95% non-condensing
Dimensions	Length: 22 cm (9.0 in.); Diameter: 2.54 cm (1 in.)
Weight	200 g (7 oz.)
CDRH Laser Class:	Class IIIa
CE	IEC 60-1-2 portion of the EN50082-1 ESD immunity requirement EN50082-1: 1992 IEC 801-2, -3, -4

CAT. NO.	UPC NO.	DESCRIPTION
170XL	84501	Visual Fault Finder

SensoLITE™ Light Detector

NEW PRODUCT

- Detects visible and invisible light wavelengths (630 nm to 1600 nm)
- Saves time and eliminates guesswork
- Simple, durable, and easy to use
- Works with bare and connectorized fibers
- Accepts all fiber and most connector types
- Wide sensitivity range: from -55 dBm to +25 dBm
- Presence of light indicated by an audible signal and an illuminated front panel LED
- Unique design permits testing in bright ambient light conditions
- Long battery life—up to one year of normal use
- Low battery indicator
- Replaceable light blocking curtain

SPECIFICATIONS

OPTICAL

Center Wavelength	630 nm to 1600 nm
Detector	PIN-type germanium
Optical Interface	Direct connection to bare or connectorized fibers; No specialized adapters required
Sensitivity	
630nm	< -40 dBm
850nm	< -55 dBm
1300nm	< -55 dBm
1550nm	< -55 dBm
Output Indicators	
Light > -40dBm	Amber LED/audible signal
Battery test	Green LED
Power Requirements	Two AA size 1.5V batteries (approx. 100 hours continuous operation)

Promotes workplace safety – can help prevent accidental eye exposure to hazardous laser radiation when used as directed

SPECIFICATIONS

ENVIRONMENTAL

Operating temperature	-15° C to +55° C
Storage temperature	-25° C to +70° C
Humidity	0 to 90% RH, non-condensing
Dimensions	14.2 x 4.3 x 3.3 cm (5.6 x 1.7 x 1.3 in.)
Weight	120 g (4.2 oz.) with batteries

CAT. NO.	UPC NO.	DESCRIPTION
510XL	00024	Visual Fault Finder

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A Textron Company

TRUSTED SINCE 1862

920xc Handheld Multimode OTDR

- Economical.
- Compact handheld design.
- Easy to use.
- Fast automated testing.
- Up to 22 db dynamic range.
- Large backlight LCD display.
- Measure length and defects of coiled fiber.
- Fiber analysis software for data management and report generation.
- RS-232/USB interface.
- NiMH batteries for 8 hours continuous use.

MULTIMODE SPECIFICATIONS

Fiber Type	920XC-20M	
Wavelength (± 20nm)	850	1300
Dynamic Range (dB)	18	22
Event deadzone (m)	7	
Attenuation Deadzone (m)	20	
Emitter Type	LED	
Pulsewidth (ns)	12/30/100/275/1us	30/100/275/1us/2us
Selectable Ranges (km)	0.1/0.3/0.5/1.3/2.5/5/10	0.1/0.3/0.5/1.3/2.5/5/10/20/40/80
Average Time	15s/30s/1 min/2 min/3 min	
Distance measurement accuracy	$\pm(1m + 5 \times 10^5 \text{ x distance} + \text{sampling space})$	
Connector Type	PC (interchangeable FC, SC, ST)	
Fiber Analysis Software		
Reflection detect accuracy	±4 dB	
Attenuation detect accuracy	±0.05 dB/dB	
Measurement data storage	1,000 test curves	
Data transmission	RS-232/USB port	
General		
Power Supply	NiMH chargeable battery/AC adapter	
Battery Life	Support over 8 hours operating on one charge or over 20 hours standby	
Operating Temperature	-10° to 50° C	
Storage Temperature	-20° to 60° C	
Relative Humidity	0 to 95% (non-condensing)	
Weight	1.9 lbs. (0.87 kg)	
Dimensions	7.7" H x 3.9" W x 2.4" L (196mm x 100mm x 64mm)	

	CAT. NO.	UPC NO.	DESCRIPTION
	920XC-20M PC FC	25688	Handheld OTDR, 850/1300 nm, FC/PC
	920XC-20M PC SC	25689	Handheld OTDR, 850/1300 nm, SC/PC
	920XC-20M PC ST	25690	Handheld OTDR, 850/1300 nm, ST/PC
A	946	60571	Cleaning Wand 10/PK
A	948	60692	REEL Cleener CONN Cleaner (948)
A	20988	20988	Soft Carrying Case
R	20989	20989	USB Cable for OTDR
R	20990	20990	RS-232 Cable
A	AC-CONN-FC-L2	20996	FC Connector (for UPC & APC)
A	AC-CONN-ST-L2	20997	ST Connector (for UPC only)
A	AC-CONN-SC-L2	20998	SC Connector (for UPC & APC)
A	AC-ADPT-20-UNIV	25691	Power Supply Universal
R	920XC-QR	25692	Quick Reference Guide - UN
R	20999	20999	NiMH Battery (9.6V)
A	1155-0526	10582	Car Adapter
	920XC-SM-MM	26307	OTDR Kit - Single and Multimode OTDR Kit.

920xc Handheld Singlemode OTDR

CAT. NO.	UPC NO.	DESCRIPTION
920XC-20C UPC SC	89882	Handheld OTDR, 1310/1550 nm, SC/UPC
920XC-20C UPC FC	89872	Handheld OTDR, 1310/1550 nm, FC/UPC
920XC-20C UPC ST	89877	Handheld OTDR, 1310/1550 nm, ST/UPC
920XC-20C APC SC	89892	Handheld OTDR, 1310/1550 nm, SC/APC
920XC-20C APC FC	89887	Handheld OTDR, 1310/1550 nm, FC/APC
920XC-30P UPC SC	19237	Handheld OTDR, 1310/1490/1550 nm, SC/UPC
920XC-30P UPC FC	19238	Handheld OTDR, 1310/1490/1550 nm, FC/UPC
920XC-30P UPC ST	19239	Handheld OTDR, 1310/1490/1550 nm, ST/UPC
920XC-30P APC SC	19240	Handheld OTDR, 1310/1490/1550 nm, SC/APC
920XC-30P APC FC	19252	Handheld OTDR, 1310/1490/1550 nm, FC/APC
920XC-30F UPC SC	19247	Handheld OTDR, 1310/1550/1625 nm, SC/UPC
920XC-30F UPC FC	19248	Handheld OTDR, 1310/1550/1625 nm, FC/UPC
920XC-30F UPC ST	19251	Handheld OTDR, 1310/1550/1625 nm, ST/UPC
920XC-30F APC SC	19249	Handheld OTDR, 1310/1550/1625 nm, SC/APC
920XC-30F APC FC	19250	Handheld OTDR, 1310/1550/1625 nm, FC/APC
[A] 946	60571	Cleaning Wand 10/PK
[A] 948	60692	REEL Cleener CONN Cleaner (948)
[A] 20988	20988	Soft Carrying Case
[R] 20989	20989	USB Cable for OTDR
[R] 20990	20990	RS-232 Cable
[A] AC-CONN-FC-L2	20996	FC Connector (for UPC & APC)
[A] AC-CONN-ST-L2	20997	ST Connector (for UPC only)
[A] AC-CONN-SC-L2	20998	SC Connector (for UPC & APC)
[A] AC-ADPT-20-UNIV	25691	Power Supply Universal
[R] 920XC-QR	25692	Quick Reference Guide - UN
[R] 20999	20999	NiMH Battery (9.6V)
[A] 1155-0526	10582	Car Adapter
920XC-SM-MM	26307	OTDR Kit - Single and Multimode OTDR Kit.

- Up to 38 db dynamic range.
- Large backlight LCD display.
- Measure length and defects of coiled fiber.
- Fiber analysis software for data management and report generation.
- 1625 nm operation for live fiver testing.
- RS-232/USB interface.

SINGLEMODE SPECIFICATIONS

Fiber Type	920XC-20C	920XC-30F	920XC-30P
Wavelength (± 20nm)	1310/1550	1310/1550/1625	1310/1490/1550
Dynamic Range (dB)	35	38	38
Event deadzone (m)	2.5	1.5	2.5
Attenuation Deadzone (m)	14	10	14
Emitter Type		Laser	
Pulsewidth (ns)		5, 10, 30, 100, 300, 1 us, 2.5 us, 10 us, 20 us	
Selectable Ranges (km)		0.3/1.3/2.5/5/10/20/40/80/120/160/240	
Average Time		15s/30s/1 min/2 min/3 min	
Distance measurement accuracy		$\pm(1m + 5 \times 105 \times \text{distance} + \text{sampling space})$	
Connector Type		PC or APC (interchangeable FC, SC, ST)	
Visual Fault Locator			
Wavelength	650 nm	n/a	
Peak power output	3 mw	n/a	
Connector interface	(interchangeable FC, SC, ST)	n/a	
Fiber Analysis Software			
Reflection detect accuracy		±4 dB	
Attenuation detect accuracy		±0.05 dB/dB	
Measurement data storage		1,000 test curves	
Data transmission		RS-232/USB port	
General			
Power Supply		NiMH chargeable battery/AC adapter	
Battery Life		Support over 8 hours operating on one charge or over 20 hours standby	
Operating Temperature		-10° to 50° C	
Storage Temperature		-20° to 60° C	
Relative Humidity		0 to 95% (non-condensing)	
Weight		1.9 lbs. (0.87 kg)	
Dimensions		7.7" H x 3.9" W x 2.4" L (196mm x 100mm x 64mm)	

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Optical Fiber Monitors

OFM1020

OFM130

OFM1020
- mm Resolution.
- Zero Deadzone.
- 90dB Return loss dynamic range.
- 850/1300 nm operation.
- Measure optical components, cables and sensors.
- Monitor bend loss and fiber stress.
- Universal optical interface.
- Ruggedized for field deployment.
- AC/DC operation.
- Custom configurations available (fiber, outputs, wavelengths).

OFM130
- mm Resolution.
- Zero Deadzone.
- 85dB Return loss dynamic range.
- 1310/1490/1550/1625 nm operation.
- Measure optical components, cables and sensors.
- Analyze optical amplifiers.
- Monitor bend loss and fiber stress.
- Custom configurations available (fiber, outputs, wavelengths).

CAT. NO.	UPC NO.	DESCRIPTION

Please consult with a customer service representative for ordering details.
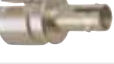
SPECIFICATIONS

Fiber Type	OFM1020	OFM130
Distance		
Range	0-20 km (65,000 ft.)	
Accuracy	0.02% + 2.5cm (1")	
Single Point Resolution	5 mm (0.2")	
Two Point Resolution	10 cm (4")	
Deadzone		
Event	12 cm typical (5")	
Attenuation	38 cm typical (15")	
Return Loss		
Dynamic Range	90dB	
Accuracy	±1.0dB	
Insertion loss, fresnel		
Dynamic Range	40dB	
Accuracy	±0.3dB	
Insertion loss, rayleigh		
Dynamic Range	20dB	
Accuracy	±0.02 dB	
Wavelength		
Accuracy	40 nm	
Spectral Width	20 nm	
Mechanical		
Size	36 cm x 48 cm x 20 cm (14.2"x18.9"x7.9")	35 cm x 39 cm x 20 cm (13.8"x15.3"x7.9")
Weight	11 kg (24 lb.)	9.5 kg (21 lb.)
Power		
AC	110/220V, 60/400Hz	
DC	24V	n/a

Fiber Optic Instrument Adapters – SOC and UCI

- Our SOC and UCI adapters provide direct connectivity for Tempo fiberTOOLS® to a wide range of industry-standard fiber optic connectors.
- Adapter design ensures maximum accuracy and repeatability when performing critical measurements on fiber optic systems.
- Easy to clean and use.
- Single-mode and multimode compatible.

- SOC adapters are compatible with both PC and Angled APC physical contact interfaces.
- UCI adapters feature durable phosphor bronze alignment sleeve.
- SOC (Snap-On Connector) adapter is used on all power meters and 250 "B" series LED Sources.
- UCI (Universal Connector Interface) adapter is used on all 250/260 "A" Series Sources and 330 Series Variable Optical Attenuators.

Fiber Optic Instrument Adapters – SOC and UCI

CONNECTOR TYPE	SOC ADAPTER			UCI ADAPTER		
DESCRIPTION		CAT. NO.	UPC NO.		CAT. NO.	UPC NO.
1.25 mm Quick-Connect Universal Adapter (LC, MU, etc.)		T1026	60588	Use Hybrid Cable Only *		
2.5 mm SOC Quick-Connect Adapter (E2000, FC, SC, ST, etc.)		T1025	60587		AU-250	60703
E-2000		T10E2	60599		AE2-10	60698
FC		T1020	60576		APC-108	60572
HMS-10/HP		T1040	60590		AHP-10	60699
LC		T10LC	60600	Use Hybrid Cable * or FoPro®-x		
MIL-T-29504/4 & /5 Termini		T1038	60589	Use Hybrid Cable * or FoPro®-x		
MT-RJ		T13A2	60605Æ	Use Hybrid Cable Only *		
SC		1062	60575		ASC-108	60574
SMA 905/906		T1087	60596		ASM-90	60702
ST		T1030	60577		ATS-108	60573
TOSLINK – Simplex		T10TB	60602	Use Hybrid Cable Only *		
TOSLINK – Duplex (Set of 2)		T10TD	60603	Use Hybrid Cable Only *		
Versatile Link – V/Z PIN		T10ZP	60604	Use Hybrid Cable Only*		

* FoPro ferrule options include 2.5 mm, 1.57 mm (MIL-style 16AWG optical contacts) and 1.25 mm.

* When using a Hybrid Adapter Cable, the instrument UCI adapter and one end of the Hybrid Adapter Cable should be a commonly available connector type. (i.e. FC, SC or ST)

90SOC (60687)
SOC adapter tool for easy installation and removal of SOC adapters from instrument interfaces. (Product shown may vary)

GREENLEE®
A Textron Company

TRUSTED SINCE 1862

USA PHONE 800.435.0786 FAX 800.451.2632
CANADA PHONE 866.384.8813 FAX 800.524.2853
INT'L PHONE +1.815.397.7070 FAX +1.815.397.9247

FIBER OPTIC KITS
Fiber Optic Termination Kit

- Contains all of the tools and consumable materials necessary for epoxy and polish connector terminations.
- Durable Cordura® Plus carrying case protects and organizes tools and includes see-through pouches for storing connectors.
- Outside pockets provide convenient storage of instruction manuals or worksite documents.

CAT. NO.	UPC NO.	DESCRIPTION
45658	45658	Fiber Optic Termination Kit
KIT CONTENTS MAY BE PURCHASED SEPARATELY:		
45586	45586	Fiber Optic Kevlar® Shears
1955A	06857	Pro-Plus Wire Stripper, 10-18 AWG
45637	45637	Kwik Cycle® 8" Crimp Frame with 0.151", 0.178", 0.213" Hex Cavities
45651	45651	Fiber Optic Inspection Microscope
45639	45639	Carrying Case

KIT INCLUDES THE FOLLOWING CONSUMABLE ITEMS WHICH ARE NOT SOLD SEPARATELY:

50 Sheets Polishing Paper, 0.3 micron
50 Sheets Polishing Paper, 1 micron
50 Sheets Polishing Paper, 5 micron
10 ml (0.34 oz.) Opticure Adhesive
26 ml (0.9 oz.) Opticure Primer
1 Pair Safety Glasses
1 Plastic Utility Box
1 Felt-tipped Marker

100 Lint-free Wipes
10 Alcohol Wipes
1 Alcohol Bottle
1 Water Bottle
1 Fiber Debris Disposal Container
10 Syringes
10 Needle Tips

Ultimate Fiber Tool Kit

This Ultimate Kit contains all the slitters, strippers, and Kevlar® cutters you will need to start your fiber optic terminations. Also included is the premium 1600 Series Crimper with 3 interchangeable dies. The Ultimate Tool Bag has plenty of room for you to add your consumables.

CAT. NO.	DESCRIPTION	WEIGHT
PA4924	Ultimate Fiber Tool Kit	5.65 lbs

ULTIMATE FIBER TOOL KIT INCLUDES

	CAT. NO.	DESCRIPTION
R	PA1511	Kevlar® Cutter
R	PA1171	ProGrip 5-in-1 Fiber Optic Stripper
R	PA1162	Economy Fiber Optic Stripper
R	PA1161	Adjustable Jacket Stripper
R	PA1820	AM 25 Slitter
R	PA1821	AM 35 Slitter
R	PA1258	LC CST-mini Stripper
R	PA1600	1600 Series Crimp Frame
R	PA2044	STII Type Die Set
R	PA2664	SMA/SMB/FC/BICONIC Die Set
R	PA2668	SC & ST Die Set
R	PA1922-1	Fiber Optic Scribe
R	PA1920-1	SC/ST/FC Polishing Puck
R	PA1926-1	LC Polishing Puck
	N/A	Plano® Tackle Box
R	PA4923	Ultimate Tool Bag

FiberReady Tool Kit

This kit contains an assortment of cable sliters, strippers and Kevlar® cutters to prep fiber optic cable along with our 1600 Series premium crimper with interchangeable dies.

CAT. NO.	DESCRIPTION	WEIGHT
PA906001	FiberReady Tool Kit	3.1 lbs

FIBERREADY TOOL KIT INCLUDES

Ⓡ	PA1511	Kevlar® Cutter
Ⓡ	PA1171	ProGrip 5-in-1 Fiber Optic Stripper
Ⓡ	PA1822	Universal Cable Stripper
Ⓡ	PA1600	1600 Series Crimp Frame
Ⓡ	PA2044	STII Type Die Set
Ⓡ	PA2664	SMA/SMB/FC/BICONIC Die Set
Ⓡ	PA2668	SC & ST Die Set
	N/A	Zippered Portfolio Case with Handles

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