

Communications

For industry-leading tools for datacom, telecom and fiber optic applications, Greenlee has the complete product line. Choose from a large line-up of premium installation tools, tone generators and telecommunication test sets, network certification instruments and fiber optic test equipment – produced and field-tested to perform from start to finish.

Contents

Hand Tools	234
Fiber Optic Tools	276
Indentification	281
Testing	291
Fiber Optic Testing	308
Locators	334
Kits	338
Fiber Optic Kits	354



MADE FOR THE TRADE!™

HAND TOOLS

Communications

PowerPlay Multi-Tool Family	PT-540	PT-525	PT-510
110 Punchdown Tool	•	•	•
66 Punchdown Tool	•	•	
UTP Round Wire Stripper	•	•	
Extra Large Wire Cutter (up to 10 AWG Romex®)	•		
Large Wire Cutter (up to 12 AWG Romex®)		•	
Wire Cutter (up to Cat5e UTP cable)		•	•
Hard Wire Cutter Notch	•	•	•
18/20/22/24 AWG Wire Strippers	•	•	•
10 AWG Wire Stripper	•		
12 AWG Wire Stripper	•	•	
14 AWG Wire Stripper	•		
Needle Nose & Gripping Pliers	•	•	•
Drywall Punch	•	•	•
Drywall Saw	•	•	
24-18 AWG Lug Terminal Crimpers	•		
18-14 AWG Lug Terminal Crimpers	•		
Wire Hook & Spudger	•	•	
¼" Socket Drive & Hex Bit Adapter	•	•	
#4 & #6 Slotted Screwdrivers	•	•	•
#1 Phillips Screwdriver	•	•	•
SOG Serrated Knife	•	•	•
3-in-1 File & Bottle Opener	•	•	•
7/16" & 3/8" Nut Drivers	•		
Ruler & Lanyard	•	•	•
Pivoting Handle Covers	•	•	
PowerLocks™	•	•	

PowerPlay™ PT-540



30 Tools-In-One:

- Needle Nose and Gripping Pliers.
- 110 and 66 Punchdown Tools.
- UTP and Round Wire Stripper.
- Extra Large Wire Cutter – up to 10 AWG Romex®.
- Wire Cutter – up to Cat5e UTP cable.
- 7 Wire Strippers - 10/12/14/18/20/22/24 AWG.
- PowerLocks™ Secure Folding Components.
- Drywall Punch and Saw.
- Hard Wire Cutter Notch.
- 24-18 AWG Lug Terminal Crimpers.
- 18-14 AWG Lug Terminal Crimpers.
- Wire Hook and Spudger.
- #4 and #6 Slotted Screwdrivers.
- #1 Phillips Screwdriver.
- SOG Knife with ½ Serrated Blade.
- 3-in-1 File and Bottle Opener.
- 7/16" and 3/8" Nut Drivers.
- Ruler and Lanyard.
- Leather Sheath Included.

CAT. NO.	DESCRIPTION
PA6520	PowerPlay™ PT-540

SPECIFICATIONS

Length	
Closed	5" (127 mm)
Open	7.5" (191 mm)
Weight	10.4 oz. (295 g)

PA4945 PowerPlay Grip Pack Kit

Contains the tools you need to install or maintain data and voice patch panels and outlets. See page 338 for details.

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Tel: 800.435.0786
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PowerPlay™ PT-525



24 Tools-In-One:

- Needle Nose & Gripping Pliers.
- 110 & 66 Punchdown Tools.
- Romex® Wire Cutter.
- UTP Stripper.
- 6 Wire Strippers - 12/14/18/20/22/24 AWG.
- Drywall Punch & Saw.
- #4 & #6 Slotted Screwdrivers.
- #1 Phillips Screwdriver.
- 1/4" Square Drive with Hex Bit Adapter.
- SOG Serrated Knife.
- 3-in-1 File.
- Wire Hook & Spudger.
- Bottle Opener.
- Ruler.
- Leather Sheath included.

CAT. NO.	DESCRIPTION
PA6510	PowerPlay™ PT-525

SPECIFICATIONS

Length	
Closed	4.75" (121 mm)
Open	7" (178 mm)
Weight	9.6 oz. (272 g)

PowerPlay™ PT-510



18 Tools-In-One:

- Needle Nose & Gripping Pliers.
- 110 Punchdown Tool.
- Romex® Wire Cutter.
- #4 & #6 Slotted Screwdrivers.
- #1 Phillips Screwdriver.
- SOG Serrated Knife.
- Drywall Punch.
- 4 Wire Strippers - 18/20/22/24 AWG.
- 3-in-1 File.
- Bottle Opener.
- Ruler.
- Leather Sheath included.

CAT. NO.	DESCRIPTION
PA6500	PowerPlay™ PT-510

SPECIFICATIONS

Length	
Closed	4.25" (114 mm)
Open	6" (152 mm)
Weight	7.5 oz. (227 g)

CAT. NO.	DESCRIPTION
PA6501	R 110 Punchdown Blade with 18/20/22/24 AWG Strippers
PA6502	R 66 Punchdown Blade with 18/20/22/24 AWG Strippers
PA6503	R Wire Hook and Spudger
PA6504	R SOG Knife with 1/2 Serrated Blade
PA6505	R Drywall Saw
PA6506	R 3-in-1 File/#6 Slotted Screwdriver
PA6507	R Scissors
PA6508	R #1 Phillips Screwdriver
PA6509	R Replacement Handle Cover (1)

CAT. NO.	DESCRIPTION
PA6511	R #4 Slotted Screwdriver/Bottle Opener
PA6512	R 1/4" Drive
PA6524	R StopLock™
PA6514	R Telephone Unwrap Bit
PA6515	R Telephone Wrap Bit
PA6516	R 1/4" Socket Adapter
PA6518	R PT-510 Leather Sheath
PA6519	R PT-525/PT-540 Leather Sheath

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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

Center Conductor Cutter



- Precisely trims the center conductor of coaxial cable to a standard length of 3/16" (5 mm).
- Cushioned-grip handle for comfortable use.
- Heat-treated for long life.

CAT. NO.	UPC NO.	DESCRIPTION
45481	45481	Center Conductor Cutter

SPECIFICATIONS

Stamped from high-carbon tool steel
Rust-resistant black oxide finish

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

45471 Professional Installation Kit

This complete kit includes our 8 AWG Cable Cutter plus all the tools, connectors and tests for installing and maintaining most types of communications cabling. See page 353 for details on our Professional Installation Kit.



Cable Cutter



- Easily cuts heavier copper and aluminum cables up to 2/0 (70 mm²).
- Plastic coated, high-leverage handles for easier cuts.
- Heat-treated for long life.
- Made of heavy-duty forged steel.
- Precision-ground, shear-action, curved cutting blades.
- Rust-resistant black oxide finish.
- Made in Japan.

CAT. NO.	UPC NO.	DESCRIPTION
727	31291	Cable Cutter

Cable Splicer's Knife and Splicer's Snips



- 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-K01	08704	Scissors and Knife Kit with Two-Pocket Pouch
PT-T01	08707	Cable Splicer's Knife
PT-T02	08708	Electrician's Snips
PT-C01	08702	Two-Pocket Leather Pouch
PA1931		Datacomm Snips

Datacomm Snips & Knife Kit



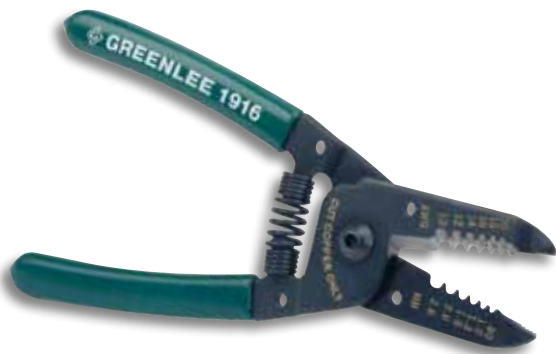
- Leather pouch slotted to fit 2" (51 mm) belts.
- Datacomm scissors feature an ergonomic design for the professional user.
- Utility knife has a full-size, no-slip textured handle.
- Knife designed to stay sharp and fit comfortably in your hand.

CAT. NO.	DESCRIPTION
PA1933	Snips & knife in leather pouch
PA1931	Snips only

SPECIFICATIONS

Kit	8 oz. (228 g)
Knife	3 oz. (85 g)
Scissors	2 oz. (57 g)
Pouch	2 oz. (57 g)

Wire Strippers/Cutter



- Precision-ground blades ensure consistent stripping and cutting.
- Heat-treated for long life.
- Cushioned-grip vinyl handle for comfortable use.
- Serrated nose grip for wire pulling and straightening.
- Stamped from high-carbon tool steel.
- Pivot joints have hardened steel bushings.
- Rust-resistant black oxide finish.

CAT. NO.	UPC NO.	DESCRIPTION
1916	31891	20-10 AWG (0.8 to 2.6 mm dia.) Solid Wire
1917	31890	26-16 AWG (0.4 to 1.3 mm dia.) Solid Wire
1918	31889	30-22 AWG (0.25 to 0.64 mm dia.) Solid Wire

*Do not use on live circuits.

Pro Wire Strippers



1950



1955

- Strips the outer jacket off both solid and stranded wire.
- Machined stripping stations with a positive stop provide precise stripping diameters.
- Ergonomically designed, extra-long cushioned handles add superior comfort and reduce hand fatigue.
- Long curved cutter blades reduce force required by 25% and can cut NM in a single cut.
- Lock tab protects cutting edges during storage.
- Pliers nose for working with small nuts and pulling wire.
- Hole in jaws for looping wires.
- Opening stop prevents spring from disengaging.
- Easy-to-read graphics.
- Cuts screws.

CAT. NO.	UPC NO.	DESCRIPTION
1950	06852	Pro Wire Stripper 10-18 AWG
1951	06853	Pro Wire Stripper 22-32 AWG
1955	06857	Pro Plus Wire Stripper, 10-18 AWG
1956	10300	Pro Plus Stripper 8-16 AWG

*Do not use on live circuits.

GripP-Strippers 10 & 20



- Head of tool and handles designed at optimum 22° angle to prevent awkward wrist bends.
- Spring-loaded open.
- Contoured wire stripping areas precision ground for accuracy.
- Non-scoring strip and smooth wire cutting.
- Features screw cutter and wire loops embedded in frames.
- Built-in safety lock.
- Gripping jaws on front of tool.
- PA1117 will work on Romex household cable.
- Not for use on steel or armored wire and cable.

CAT. NO.	DESCRIPTION
PA1117	GripP 10 cutter/stripper (22-10 AWG/.34-6 mm ²)
PA1118	GripP 20 cutter/stripper (30-20 AWG/.05-.5 mm ²)
PA1123	Wire Stripper Bundle, includes both PA1117 and PA1118

SPECIFICATIONS

Dimensions	7.1" L x 2.25" W x .65" D (180 mm x 57 mm x 17 mm)
Weight	6.5 oz. (185 g)

*Do not use on live circuits.

Flat Cable Cutter



- Cut flat satin cables easily and quickly.
- Gripping pliers at tip of tool.
- Dual-durometer grips for improved comfort and control.

CAT. NO.	DESCRIPTION
PA1181	Flat Cable Cutter

Kwik Stripper Flat Telephone Cable Cutter/Stripper



- Designed to cut and strip flat modular telephone cables (Silver Satin).
- Built-in cable stop/guide for consistent strip length.
- Heat-treated for long life.
- Cushioned-grip vinyl handle for comfortable use.
- 2- to 10-conductor capacity.
- Stamped from high-carbon tool steel.
- Rust-resistant black oxide finish.

CAT. NO.	UPC NO.	DESCRIPTION
45480	45480	Kwik Stripper Flat Telephone Cable Cutter/Stripper



45480
Typically used
for Modular Plug
Connectors
(See page 265)

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.
- Lanyard hole for wrist strap, key chain, etc.

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

SPECIFICATIONS	
Weight	2.5 oz. (71 g)
Length	4.53" (115 mm)

Data SureStrip™



- 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.
- Lanyard holes for wrist straps or key chains.
- Small and compact, slips right into a pocket.
- Works left or right handed.

CAT. NO.	DESCRIPTION
PA1116	Data SureStrip™

SPECIFICATIONS	
Weight	2.5 oz. (71 g)
Length	4.53" (115 mm)

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CST vario Stripper



- 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.

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

SPECIFICATIONS

Weight	2.8 oz. (79 g)
Length	4.57" (116 mm)

*Not recommended for use on LMR or Teflon cables.

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	
PA1241	CST Blue - 2 Level (A=.256)	CATV "F" connectors
PA2241	Blue 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



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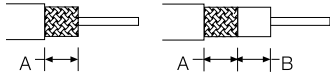
241

CST Pro Coax Stripper

NEW



- 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	

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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*.

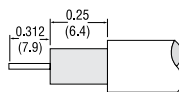
CAT. NO.	DESCRIPTION
PA1255	LC CST-58/59 – 2- & 3-Level, Adjustable
PA1256	LC CST-11 – 2- & 3--Level, Adjustable
PA1257	LC CST CATV "F" – 2-Level
PA1258	LC CST-Mini
PA2263	R Replacement Blade

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

*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.

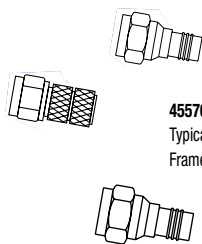
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Kwik Stripper Coax Stripper — 2 level and 3 level

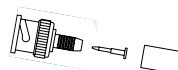


- Designed to provide precise, repeatable strips consistently.
- Prepares RG58, RG59, RG62, RG6 and many other types of coax cable.
- Strips braid and dielectric to 1/4" (6.4 mm).
- Blades are easily replaced in the field.
- Blade adjustment for cutting depth.
- Replaceable and interchangeable blade cassettes.

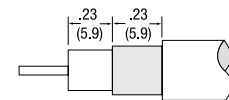
CAT. NO.	UPC NO.	DESCRIPTION
45576	45576	Kwik Stripper Coax Stripper - 2 Level
45577	45577	Kwik Stripper Coax Stripper - 3 Level
45040	45040	R Cartridge - 2 Level
45039	45039	R Cartridge - 3 Level



45576 2 Level
Typically used for F-type connectors (See pages 251).
Frame accepts only 2 level cartridges.



45577 3 Level
Typically used for BNC-type connectors
(See page 252).
Frame accepts both 2 and 3 level cartridges.



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Kwik Stripper Twisted Pair Stripper



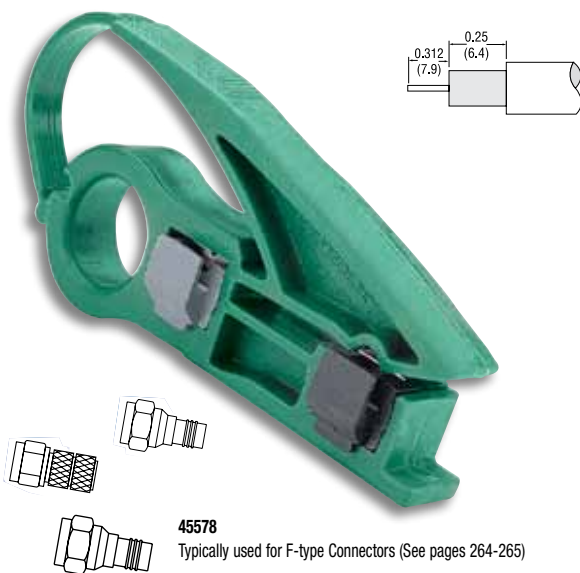
- No tool is better for trimming the jacket from twisted pair cable without damaging the individual conductors.
- Blade depth adjustment ensures precise cutting depth.
- Blade penetration controlled by tension loop.
- Strip length gauge.
- Made in the USA.

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



45579
Typically used for Modular Plug Connectors (See pages 264-265)

Kwik Stripper CATV Cable Stripper

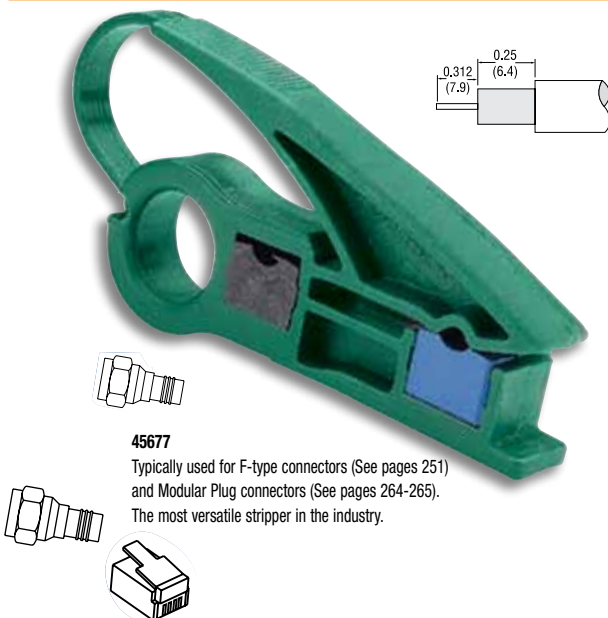


- Designed for the professional CATV cable installer, this stripper is perfect for high volume and uses replaceable stripping cartridges for RG6, RG59, RG11 and RG7 CATV cables.
- Pre-measured stops eliminate time-consuming measuring and trimming.
- No adjustments needed.
- Spare cartridge holder is conveniently built into the tool.
- 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.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
45578	45578	Kwik Stripper CATV Cable Stripper
45580	45580	Cartridge RG6/RG59
45581	45581	Cartridge RG11/RG7

45578
Typically used for F-type Connectors (See pages 264-265)

Kwik Stripper CATV/UTP Stripper



- Used for both unshielded twisted pair (UTP) and coaxial cabling, this tool reduces the number of tools needed without any adjustments.
- Switching from four pair UTP to RG6 or RG59 is simple – just change cartridges.
- Cartridges are color-coded for quick identification; blue for UTP and black for coax.
- Pre-measured stops eliminate time-consuming measuring and trimming.
- UTP cartridge strips four-pair UTP without scoring the individual conductors.
- Spare cartridge holder is conveniently built into the tool.
- Included with the tool, the RG6/RG59 cartridge strips the cable jacket and dielectric to 1/4" (6.4 mm).
- Extra-large finger hole.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
45677	45677	Kwik Stripper CATV/UTP Stripper with Both Cartridges
45667	45667	Cartridge UTP
45580	45580	Cartridge RG6/RG59
45581	45581	Cartridge RG11/RG7

45677
Typically used for F-type connectors (See pages 251) and Modular Plug connectors (See pages 264-265).
The most versatile stripper in the industry.

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.

CAT. NO.	DESCRIPTION
PA1820	AM 25
PA2109	 Replacement blade

SPECIFICATIONS

Weight	4.7 oz. (133 g)
Length	5.3" (135 mm)

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

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.

CAT. NO.	DESCRIPTION
PA1821	AM 35
PA2109	 Replacement blade

SPECIFICATIONS

Weight	5 oz. (141 g)
Length	5.5" (140 mm)

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

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.
- Circumferential, 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.

CAT. NO.	DESCRIPTION
PA1822	Universal splitter
PA2109	 Replacement blade

SPECIFICATIONS

Weight	7 oz. (200 g)
Length	5.7" (145 mm)

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

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.

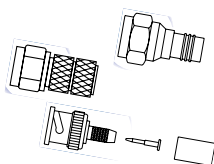
CAT. NO.	UPC NO.	DESCRIPTION
1903	12679	Pocket Cable Stripper
07915	07915 	Cutting Blade (Pack of 2)

Coax Connector Insertion Tool



- Used in CATV applications, the Insertion Tool holds F- and BNC-style connectors securely in place allowing the installer to seat the connector properly on the cable.
- Prevents damage to center conductor.
- Screwdriver bit can be removed to allow the ratcheting screwdriver to be used with standard bits.
- Screwdriver bit can be purchased separately for use in standard ratcheting screwdrivers.
- BNC screwdriver bit sold separately for use with BNC connectors.

CAT. NO.	UPC NO.	DESCRIPTION
45516	45516	Coax Connector Insertion Tool with F-style Connector Bit
45517	45517 	Bit, F-style Connector
45518	45518 	Bit, BNC-style Connector



45516
Use with F-style and BNC-style Connectors
(See pages 251 - 252).

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
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PA1928	Coax 3-Way Tool
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BNC Coax Multi-Tool



- Flaring tool for RG59 cables.
- BNC Insertion holder.
- Extraction tool for BNC connectors.

CAT. NO.	DESCRIPTION
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PA1930	BNC Coax Multi-Tool
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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
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PA1917	RG59/6/QS 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.

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

SPECIFICATIONS	
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Weight	4 oz. (114 g)
Length	4" - 12" (102 mm - 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.

CAT. NO.	DESCRIPTION
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PA1559	SealTite® ProM Coax Crimper
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SPECIFICATIONS	
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Weight	17 oz. (485 g)
Dimensions (in.)	7.76" W x 3.26" L x 30.5" D
Dimensions (mm)	187 W x 82.8 L x 30.5 D
Rated Life Cycle	30,000 (unloaded)

SealTite® 59/6 CATV “F” Compression Crimper



- 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
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PA901024	SealTite® Crimper
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SPECIFICATIONS	
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Weight	15.9 oz. (465 g)
Dimensions (in.)	8.5" W x 1.7" L x 1.0" D
Dimensions (mm)	216 W x 43 L x 25.4 D

Compression Crimping Tool



- Requires less force than a traditional hex-style crimp.
- Ergonomic Sanoprene grips reduce hand fatigue.
- Terminates most compression-style connectors.
- Fully adjustable for crimping different coax connector types.

CAT. NO.	UPC NO.	DESCRIPTION
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60807	60807	Compression Crimping Tool
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SealTite® Cable TV “F” Compression Connectors



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

DESCRIPTION	RG59	RG6 & RG6 Quad	RG6 Quad
	CAT. NO.	CAT. NO.	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 360° 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	RG6 & RG6 Quad
	CAT. NO.	CAT. NO.
10 Pack Clamshell	PA9720	PA9714
50 Pack Jar	PA9721	PA9716

SealTite® BNC Compression Connectors



- Patented design with 360° 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	RG6 & RG6 Quad
	CAT. NO.	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	RG6	RG6 Quad
	CAT. NO.	CAT. NO.	CAT. NO.
10 Pack Clamshell	PA9676	PA9677	PA9678
50 Pack Jar	PA9703	PA9680	PA9681
100 Pack Bulk	N/A	PA9704	N/A

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.

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

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.

	RG59	RG6
DESCRIPTION	CAT. NO.	CAT. NO.
10 Pack Clamshell	PA9682	PA9683
50 Pack Jar	PA9684	PA9685

Other Coaxial Connectors



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)
PA901074	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, 360° 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



F-Style Coaxial Connectors System

- Nickel plated for corrosion resistance

F-STYLE CONNECTORS

DESCRIPTION						RECOMMENDED TOOL			
						STRIPPER		CRIMPER	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	
 'F' Connector Twist-on	RG59	10/Pack 50/Pack	45735 45749	45735 45749	45576 45578 45677	45576 45578 45677			
 'F' Connector Crimp	RG59	10/Pack 50/Pack	45734 45748	45734 45748	45576 45578 45677	45576 45578 45677	46801	46801	
 'F' Connector Twist-on	RG6	10/Pack 50/Pack	45327 45328	45327 45328	45576 45578 45677	45576 45578 45677			
 'F' Connector Crimp	RG6	10/Pack 50/Pack	45315 45316	45315 45316	45576 45578 45677	45576 45578 45677	46801	46801	
 'F' Connector Crimp	RG59 Quad-shield	10/Pack 50/Pack	45321 45322	45321 45322	45576 45578 45677	45576 45578 45677	46801	46801	
 'F' Connector Crimp	RG6 Quad-shield	10/Pack 50/Pack	45323 45324	45323 45324	45576 45578 45677	45576 45578 45677	46801	46801	

F-STYLE ADAPTERS

DESCRIPTION				
ADAPTER/TERMINATOR TYPE	QUANTITY	CAT. NO.	UPC NO.	
 'F' Female Adapter	5/Pack	45325	45325	
 'F' Terminator	5/Pack	45326	45326	

XFC Series Weatherproof Compression F-Style Connectors



- Dual-protection with external sleeve and internal o-ring.
- 360-degree sleeve crimp prevents moisture migration.
- O-ring provides internal seal when the 7/16" nut is tightened.
- Use for both indoor and outdoor applications.
- Color-coded sleeves for easy identification of cable compatibility.
- 70 lbs pull-out strength exceeds SCTE cable retention standard IPS-SP-405.
- Terminates easily using any compression tool.

CAT. NO.	UPC NO.	DESCRIPTION
XFC-6-10	12578	RG6 - 10 Pack
XFC-6-50	12586	RG6 - 50 Pack
XFC-6-100	12587	RG6 - 100 Pack
XFC-6Q-10	12589	RG6 Quad - 10 Pack
XFC-6Q-50	12590	RG6 Quad - 50 Pack
XFC-6Q-100	12591	RG6 Quad - 100 Pack
XFC-59-10	12593	RG59 - 10 Pack
XFC-59-50	12594	RG59 - 50 Pack
XFC-59-100	12595	RG59 - 100 Pack

Communications

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251



BNC Coaxial Connectors

- Gold-plated, captive center contact provides long life and reliable performance.
- Precision manufactured from machined brass and nickel plated for corrosion resistance.


BNC CONNECTORS

DESCRIPTION					RECOMMENDED TOOL			
					STRIPPER		CRIMPER	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
 BNC Crimp Plug	RG58 Thinnet PVC	5/Pack	45730	45730	45577	45577	46800	46800
 BNC Crimp Plug	RG58 Thinnet Plenum	5/Pack	45731	45731	45577	45577	46800	46800
 BNC Crimp Plug	RG59/62 PVC	5/Pack	45732	45732	45577	45577	46800	46800
 BNC Crimp Plug	RG59/62 Plenum	5/Pack	45733	45733	45577	45577	46800	46800

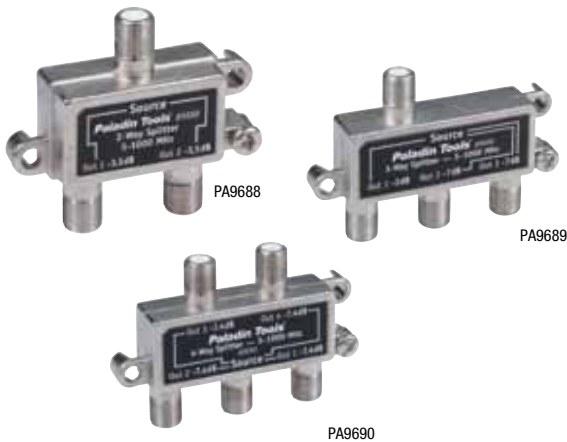
BNC ADAPTERS

DESCRIPTION			
ADAPTER TYPE	QUANTITY	CAT. NO.	UPC NO.
 BNC Tee-style Plug to Jack/Jack	1/Pack	45727	45727
 BNC Straight Jack to Jack	1/Pack	45728	45728

BNC TERMINATORS

DESCRIPTION			
ADAPTER TYPE	QUANTITY	CAT. NO.	UPC NO.
 BNC Terminator 93 OHM	1/Pack	45726	45726

Cable TV Splitters



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

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

Satellite TV Splitters



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

CAT. NO.	DESCRIPTION
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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
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PA9673	Satellite Diplexer
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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
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PA9672	In-Line Amplifier
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VS1 Series Splitters



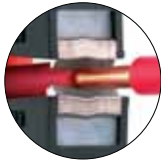
- Designed for digital broadcast television, digital cable television, off-air antennas and RF distribution.
- Bandwidth - 5 MHz to 1 GHz.
- Power Passive Port - designed to pass RF and DC power from one input to one output.
- Nickel-plated, zinc die-cast housing for excellent anti-corrosive protection.
- 100% solder-sealed tin backplate provides EMI/RFI shielding > -120dB.
- Low insertion loss.
- Printed circuit board construction ensures consistent RF performance and excellent port-to-port isolation.
- Precision machine threaded "F" ports for perfect connector fit.
- F-Ports spaced at 1" on center to allow application of security sleeves and window filters.
- F-Ports comply with SCTE outdoor standards.
- Mounting screws included.

CAT. NO.	UPC NO.	DESCRIPTION
VS1-2	46241	2-Way 1 GHz Splitter (1)
VS1-3	46242	3-Way 1 GHz Splitter (1)
VS1-4	46243	4-Way 1 GHz Splitter (1)
45326	45326	F-Terminator, 75 ohm (5)

SPECIFICATIONS

ELECTRICAL I SPECIFICATIONS	Frequency - Range (MHz)	VS1-2, 2-Way	VS1-3, 3-Way	VS1-4, 4-Way
		3.6	4.0-7.2	7.5
Insertion Loss	47-470	4.0	4.1-7.8	8.0
In-Out (max dB)	470-750	4.3	4.3/8.2	8.5
	750-1000	4.5	4.5/8.5	8.5
Return	5-47	15.0	15.0	15.0
Loss In	47-470	16.0	17.0	17.0
(min dB)	470-750	15.0	15.0	15.0
	750-1000	15.0	15.0	15.0
Return	5-47	15.0	15.0	15.0
Loss Out	47-470	16.0	17.0	17.0
(min dB)	470-750	15.0	15.0	15.0
	750-1000	15.0	15.0	15.0
Isolation	5-47	20.0	20.0	20.0
Out-Out	47-470	21.0	21.0	21.0
(min dB)	470-750	20.0	20.0	20.0
	750-1000	20.0	20.0	20.0
LENGTH:		2.3" (58mm)	3.0" (76mm)	3.0" (76mm)
WIDTH:		1.9" (48mm)	1.9" (48mm)	1.9" (48mm)
HEIGHT:		0.6" (15mm)	0.6" (15mm)	0.6" (15mm)
HOUSING:		Nickel Plated Zinc Die Cast		
RF CONNECTOR		F-Type Female 75OHM		

stripax® Pro 6 & Pro 16



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

Now for THHN and THHW industrial insulations. The original stripax set the industry standard for precision stripping for a decade. The new stripax® Pro 6 and Pro 16 perform powerful stripping of standard and industrial insulations for a wire range of 28-10 AWG (.08-6 mm²) and 10-6 AWG (6-16 mm²) respectively. The ergonomically designed, contoured handles let you hold the tool in a natural position so stripping is comfortable and requires less effort.

- Consistently 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.

CAT. NO.	DESCRIPTION
PA1113	stripax® Pro 6 (28-10 AWG) (.08-6.0 mm ²)
PA2113	stripax® Pro 6 replacement stripping blade set

SPECIFICATIONS

Weight	5.5 oz. (156 g)
Length	7.25" (185 mm)

*Do not use on live circuits

† 68 spring- compression blades precisely adjust to the insulation.

SureStrip® 4.0



High-quality wire stripping and cutting tool for 20-12 AWG (0.5-4.0 mm²).

- Strips stranded and solid conductors with PVC insulation.
- Strips multiple conductors and thin, ribbon-cable conductors simultaneously.
- Built-in wire cutter.
- Precision self-adjusting blades prevent wire damage.
- Strips double-insulated cables in two work cycles.
- User-replaceable stripping blades.
- Adjustable wire stop to set strip lengths.
- Value stripper to prepare wire for wire and ferrule terminaion.

CAT. NO.	DESCRIPTION
PA904893	SureStrip® 4.0
PA901022	Replacement stripping blade set

SPECIFICATIONS

Weight	5.2 oz. (147 g)
Length	7.9" (200 mm)

*Do not use on live circuits.

Communications

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255

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.

CAT. NO.	DESCRIPTION
PA1115P	mini-stripax [®] plus

SPECIFICATIONS

Weight	4.0 oz. (114 g)
Length	5.3" (135 mm)

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

Communications

mini-stripax[®] plus Replacement Blades



- Easy to install using quick pull pins in the mini-stripax jaw.
- Includes top and bottom blades, spring and wire stop.
- Specially formed stripping blades ensure no damage to the conductor.

CAT. NO.	DESCRIPTION:
PA2108	AWG 28-18 (0.8-1.0 mm ²) PVC only - White
PA2140	AWG 18 (0.8 mm ²) Teflon - Black
PA2141	AWG 20 (0.5 mm ²) Teflon - Blue
PA2142	AWG 24-22 (0.22-0.34 mm ²) Teflon - Green
PA2143	AWG 28-26 (0.8-0.1 mm ²) Teflon - Red
PA2144	AWG 32-30 (0.032-0.05 mm ²) Teflon - Yellow

Adjustable Wire Stripper & Cutter



- Adjustable blades from 30-10 AWG (.05-6 mm²).
- Economical tool for multiple cables.

CAT. NO.	DESCRIPTION
PA1161	Adjustable wire stripper & cutter

SPECIFICATIONS

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

*Do not use on live circuits.

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Fax: 800.451.2632

SurePunch® Pro Punchdown Tool



- 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 intensity 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

Communications

USA

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257

SurePunch® Punchdown Tools



PA4591 PA4573 PA6514 PA4571 PA4574 PA4572 PA4575 PA6515

SPECIFICATIONS	TOOL ONLY	TOOL WITH BLADE
Weight	7 oz. (200 g)	8 oz. (242 g)
Overall Length	7" (196 mm)	8" (203 mm)

- 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.

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
PA4571	Ⓡ SurePunch 110/66 combination cut-only blade
PA4572	Ⓡ SurePunch 110 reversible blade
PA4573	Ⓡ SurePunch 66 reversible blade
PA4574	Ⓡ SurePunch BIX™ cut-only blade
PA4575	Ⓡ SurePunch Krone® LSA cut-only blade
PA4591	Ⓡ SurePunch Double - 110 blade
PA6514	Telephone Unwrap Bit
PA6515	Telephone Wrap Bit

Impact Punchdown Tools



PA3528



PA4527 PA4528 PA4529 PA4530 PA4531

SPECIFICATIONS	TOOL ONLY	TOOL WITH BLADE
Weight	5 oz. (142 g)	6 oz. (170 g)
Overall Length	6.2" (158 mm)	7.2" (183 mm)

- 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
PA3535	Impact punchdown w/630 blade
PA3536	Impact punchdown w/BIX™-type blade
PA3532	Impact punchdown w/Krone™-type blade
PA4527	Ⓡ Replacement 66 blade
PA4528	Ⓡ Replacement 110 blade
PA4529	Ⓡ Replacement 630 blade
PA4530	Ⓡ Replacement BIX™-type blade4530
PA4531	Ⓡ Replacement Krone®-type blade
PA4535	Ⓡ Replacement Krone®-LSA plus blade

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ProPunch™ 110 Multi-pair Punchdown



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.

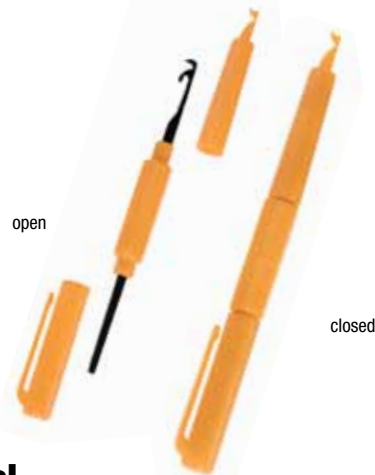
- Fewer punches saves time.
- Smooth operation and rugged, comfortable handle absorbs punch recoil.
- Terminates 28-22 AWG (.08 - .34 mm²) solid or stranded wires with single insulation.
- Cut and punch blade cassette or switch blades for punch only.
- Designed to work with 23 AWG CAT 6 cable.

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

SPECIFICATIONS

Dimensions	10.3" L x 1.5" W x 2" D
	261 mm L x 39 mm W x 52 mm D
Weight	15.5 oz. (400 g)

Pocket Probe Pick



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
PA1915	Pocket probe pick

SPECIFICATIONS

Weight	3 oz. (86 g)
Overall Length	6.5" (166 mm)

Untwist Tool



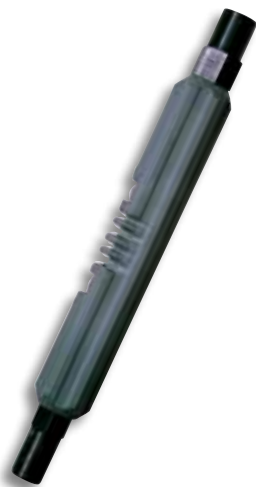
- Saves time by quickly and easily straightening and separating individual conductors.
- Designed with a flat tip to insert between pairs and round edge to pull cable through.
- Will not nick insulation or conductors.
- Handy tool can be attached to your key ring through the lanyard hole.

CAT. NO.	DESCRIPTION: HEAVY DUTY KEYSTONE TIP-
PA1923	Untwist Tool

SPECIFICATIONS

Overall Length	3.6" (91.5 mm)
Weight	1.2 oz.(34 g)

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-
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PA1900	Can Wrench
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SPECIFICATIONS

Overall Length	7.87" (200 mm)
Weight	5 oz.(140 g)

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
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PA1913	Punchdown stripper
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SPECIFICATIONS

Weight	2 oz. (57 g)
Length	4" (102 mm)

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
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PA3580	110 Punchdown Tool
PA3581	66 Punchdown Tool
PA3582	BIX™ Punchdown Tool

SPECIFICATIONS

Weight	3 oz. (86 g)
Length	4" (102 mm)

Punchdown Tool



46023

- 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.

CAT. NO.	UPC NO.	DESCRIPTION
46020	46020	Punchdown Tool Only
46021	46021	Punchdown Tool w/66 Blade
46023	46023	Punchdown Tool w/110 Blade

Replacement Blades for the Punchdown Tool



46022



46024

- Cut side labeled to eliminate costly punching errors.
- Made of high-carbon tool steel, heat-treated and precision-ground for long life.
- Reversible blades for seating/cut or seating only for jumper wires.
- Rust-resistant finish.

CAT. NO.	UPC NO.	DESCRIPTION
46022	46022	66 Style Blade
46024	46024	110 Style Blade
46025	46025	BIX Style Blade
46026	46026	Krone Style Blade



46010 Clip-On Twisted Pair Kit

Our Clip-On Twisted Pair Kit comes with all the tools necessary for terminating voice and data cable including a Punchdown Tool with 110 blade. See page 350 for details.

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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

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.

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



45553
Typically used for Modular Plug Connectors
(See page 264 & 265).



45469 Voice and Category 5 Data Termination Kit

This kit includes our Telephone Ratchet Crimper plus other tools and connectors necessary for installing a voice and data network. Everything is conveniently organized in a durable zipper case. See page 346 for details on our Voice and Category 5 Data Termination Kit.



45575
Typically used for Modular Plug Connectors
(See page 264 & 265). Our Telephone Ratchet Crimper was designed with a compact head to fit into tight spaces and ergonomic handles for operator comfort.

All-in-One UTP Snagless Crimper



- Cuts and strips round or flat cable.
- All metal construction.
- Dual-durometer 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
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PA1561	All-in-One UTP Snagless Crimper
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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
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PA901014	All-in-One Ultra Telephone Tool AMP (Tyco)
PA901016	All-in-One Ultra Telephone Tool AMP (WE/SS)
PA2530	Replacement blade kit

SPECIFICATIONS	
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Weight	19 oz. (525 g)
Length	8.07" (205 mm)

All-in-One Pro Telephone Tools



PA1530R

- 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.

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

SPECIFICATIONS	
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Weight	19 oz. (525 g)
Length	8.07" (205 mm)

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263

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

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

SNAGLESS CONNECTORS

DESCRIPTION			
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.
RJ45	Solid or Stranded Round, Flat or Oval	10/Pack	PA9588
		40/Pack	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
		50/Pack	PA9654

Modular Plugs

We offer modular plugs for a wide variety of installations – from simple tasks like connecting a telephone handset cord to the most demanding requirements of Category 5 wiring.

- Gold-plated contacts provide long life and reliable performance.
- Manufactured to comply with FCC 68 guidelines.

DESCRIPTION					RECOMMENDED TOOL					
					STRIPPER		CRIMPER		COMBO	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
 Handset 4 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45737 45750 45770	45737 45750 45770	45480	45480	45504 w/die 45566	45504 w/die 45566	45575	45575
 RJ11 6 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45738 45751 45771	45738 45751 45771	45480	45480	45541	45541	45553 45575	45553 45575
 DEC MMJ 6 Contact	Flat Cable Stranded Wire	25/Pack	45739	45739	45480	45480	45504 w/die	45504 w/die		
 RJ45 8 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45740 45753 45773	45740 45753 45773	45480	45480			45553 45575	45553 45575
 Handset 4 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45742 45755 45775	45742 45755 45775	45579	45579	45504 w/die 45566	45504 w/die 45566	45575	45575
 RJ11 6 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45743 45756 45776	45743 45756 45776	45579	45579	45541	45541	45553 45575	45553 45575
 DEC MMJ 6 Contact	Round Cable Solid Wire	25/Pack	45744	45744	45579	45579			45553 45575	45553 45575
 RJ45 8 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45745 45758 45778	45745 45758 45778	45579	45579			45553 45575	45553 45575
 RJ45 Cat 5 8 Contact (2 Piece)	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45747 45760 45780	45747 45760 45780	45579	45579			45553 45575	45553 45575

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265

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
PA2303	Replacement EZI-Change™ die screws (2)
PA2306	Replacement fixed die screws (2)

SPECIFICATIONS	CrimpALL® TOOL FRAME	DIE SET
Weight	21 oz. (600 g)	2 oz. (57 g)
Length	9.84" (250 mm)	

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
PA2303	Replacement EZI-Change™ die screws (2)
PA2306	Replacement fixed die screws (2)
PA901013	1300 crimp case

SPECIFICATIONS	CrimpALL® TOOL FRAME	DIE SET
Weight	10.4 oz. (296 g)	2 oz. (57 g)
Length	8.9" (255 mm)	

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CrimpALL® Interchangeable Die Sets for Coaxial Connectors

	DESCRIPTION		CAT. NO.	CAT. NO..		
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR 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, Belden 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, Belden 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) 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	HDV 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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











INTERNATIONAL

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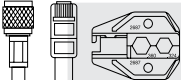

267

CrimpALL[®] Interchangeable Die Sets for Modular Plugs

Communications

		DESCRIPTION		CAT. NO.	CAT. NO..		
		CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR 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, Stewart Connector Short Body	Rounded, Shielded (STP)	RJ45, STP Stewart Connector, Short Body		PA2670	Stewart Connector
		RJ45, Hirose Connectors, Long Body	Rounded, Shielded (STP)	RJ45 STP Hirose Connector, Long Body	PA8041	PA2671	Hirose
		RJ45, Hirose Connectors, Short Body	Rounded, Shielded (STP)	RJ45 STP Hirose Connectors, Short Body	PA8042	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	PA8044	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	MANUFACTURERS OR 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.

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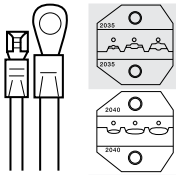


CANADA

Tel: 800.435.0786
Fax: 800.524.2853

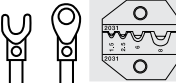
USA

Tel: 800.435.0786
Fax: 800.451.2632

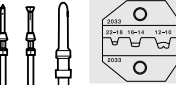

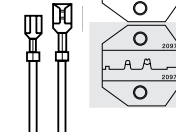
CrimpALL® Interchangeable Die Sets for Insulated Terminal Crimpers

DESCRIPTION		CAT. NO.	CAT. NO..	MANUFACTURERS OR REMARKS	
CABLE TYPE	CONNECTION	TOOL WITH DIE	DIE ONLY		
 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

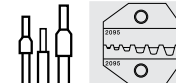
CrimpALL® Interchangeable Die Sets for Non-Insulated Terminal Crimpers

DESCRIPTION		CAT. NO.	CAT. NO..	MANUFACTURERS OR REMARKS	
CABLE TYPE	CONNECTION	TOOL WITH DIE	DIE ONLY		
 Non-Insulated Terminals and Lugs	Solid or Stranded Wire, 22-8 AWG (.34 - .10 mm ²)	10-8 / 14-12 / 18-16 / 22-20 (6 - 10 / 2.5 - 4 / .75 - 1.5 / .34 - .50 mm ²)	PA8024 PA1322	PA2031	For Standard Commercial Terminals

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

DESCRIPTION		CAT. NO.	CAT. NO..	MANUFACTURERS OR REMARKS	
CABLE TYPE	CONNECTION	TOOL WITH DIE	DIE ONLY		
 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-sub

CrimpALL® Interchangeable Die Sets for Wire Ferrules

DESCRIPTION		CAT. NO.	CAT. NO..	MANUFACTURERS OR REMARKS	
CABLE TYPE	CONNECTION	TOOL WITH DIE	DIE ONLY		
 Insulated & Non-Insulated Wire Ferrules	Solid or Stranded Wire, 22-10 AWG (.34 - 6 mm ²)	22-20 / 18-16 / 14-12 / 10 (.34 - .55 / .75 - 1.5 / 2.5 - 4 / 6 mm ²)	PA8025 PA1360	PA2095	For DIN or US Type Wire Ferrules

1600 Series Crimpers



- Precision-calibrated crimp profiles.
- Finest-quality tool steel.
- Long-lasting tool that delivers over 75,000 crimp cycles.
- Ultra-smooth, advanced ratcheting system with built-in safety release.
- Rugged, double-plated jaw design for increased life span.
- Smallest grip hand tool on the market with the longest life span available.
- Lowest hand-force of the long-life crimp tools on the market without compromising superior crimp force.
- True ergonomic rubber handles that are soft and won't quickly wear out or break.
- 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 tool does the work.
- Interchangeable die sets.
- Fiber optic die sets manufactured using secondary precision 3-D CNC grinding process to ensure +/- .002 tolerances for crimping profiles.

CAT. NO.	DESCRIPTION
PA1600	Crimp tool frame
PA2307	Thumb screws (1 set)

SPECIFICATIONS	
Weight	19 oz. (538 g)
Length	8" (203.2 mm)

1600 Series Interchangeable Die Sets for Coaxial Connectors

	DESCRIPTION			CAT. NO.	CAT. NO..	MANUFACTURERS OR REMARKS
	CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	
	Belden 8281 & 7505	BNC/TNC and 3 Piece HDTV	0.324" (8.2mm), 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ		PA2660	Kings, ADC, Amphenol HDTV
	RG59, Belden 1505A, Belden 8241	BNC/TNC and 3 Piece HDTV	0.255" (6.5mm), 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ	PA1611	PA2661	Kings, ADC, Trompeter, Amphenol HDTV
	RG6, Belden 1694A, Belden 1855A	BNC/TNC and 3 Piece HDTV	0.275" (6.9mm), 0.178" (4.5mm) HEX & 0.042" (1.0mm) SQ	PA1612	PA2662	Kings HDTV
	Belden 1694A, NT735, Belden 8218	BNC/TNC and 3 Piece HDTV	0.278" (7.0mm), 0.197" (5.0mm) HEX & 0.042" (1.0mm) SQ		PA2663	ADC HDTV
	RG174/RG179/RG188 and Small Cable Connectors	BNC/TNC	0.178" (4.5mm), 0.068" (1.7mm) HEX & 0.042" (1.0mm) SQ	PA1616	PA2003	Crimps Pins, Ferrules & Sleeve
	RG58, RG59, RG62AU	BNC/TNC	0.255" (6.5mm), 0.213" (5.4mm), 0.068" (1.7mm) HEX	PA1617	PA2005	Crimps Pins, Ferrules & Sleeve
	RG59, RG62AU, Belden 8281/8241	BNC/TNC	0.324" (8.2mm), 0.255" (6.5mm), 0.068" (1.7mm) HEX		PA2019	Crimps Pins, Ferrules & Sleeve
	Belden 1855A, 1865A, 1505A, 1505F, 1694A, 1694F, 179DT	BNC/TNC and 3 Piece HDTV	0.255" (6.5mm), 0.278" (7.0mm), 0.178" (4.5mm), 0.041" (1.0mm) HEX	PA1669	PA2683	Kings, ADC, B&L, Trompeter, Amphenol, Switchcraft


Communications

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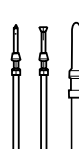

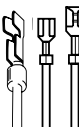
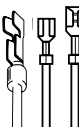
1600 Series Interchangeable Die Sets for Insulated Terminal Crimpers

DESCRIPTION			CAT. NO.	CAT. NO..	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR REMARKS
 Insulated Terminals and Lugs	Solid or Stranded Wire, 22-14 AWG (.34 - 2.5 mm ²)	16-14 (Blue), 22-18 (Red) Terminal Elliptical (1.5 - 2.5 / .34 - .75 mm ²)	PA1605*	N/A	For Standard Commercial Terminals



1600 Series Interchangeable Die Sets for Non-Insulated Terminal Crimpers

DESCRIPTION			CAT. NO.	CAT. NO..	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR REMARKS
 Non-Insulated Terminals and Lugs	Solid or Stranded Wire, 20-10 AWG (.5 - 6 mm ²)	12-10 / 16-14 / 20-18 Indent (4 - 6 / 1.5 - 2.5 / .5 - .75 mm ²)	PA1618*	N/A	For Standard Commercial Terminals

1600 Series Interchangeable Die Sets for Open Barrel and Terminal Systems

DESCRIPTION			CAT. NO.	CAT. NO..	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR REMARKS
 Open Barrel Contact Pins	Solid or Stranded Wire, 24-14 AWG (.20 - 2.5 mm ²)	24-22 / 18-14 F-Type (.20 - .34 / .75 - 2.5 mm ²)	PA1631*	N/A	Molex/Waldom/Leoco Type Conn.
 Open Barrel Contact Pins	Solid or Stranded Wire, 30-18 AWG (.05 - .75 mm ²)	30-24 / 22-18 F-Type (.05 - .20 / .34 - .75 mm ²)	PA1645*	N/A	Molex/Waldom/Leoco Type Conn.
 Open Barrel D-Submissions	Solid or Stranded Wire, 28-20 AWG (.08 - .5 mm ²)	28-24 / 22-20 F-Type (.08 - .2 / .34 - .5 mm ²)	PA1646*	N/A	Standard D-sub Contacts
 Open Barrel EDAC Contacts	Solid or Stranded Wire, 28-18 AWG (.08 - .75 mm ²)	28-24 / 22-18 (.08 - .2 / .34 - .75 mm ²)	PA1670	N/A	EDAC/ELCO Rack & Panel Contacts

1600 Series Interchangeable Die Sets for Wire Ferrules

DESCRIPTION			CAT. NO.	CAT. NO..	
CABLE TYPE	CONNECTION	CRIMP SIZES	TOOL WITH DIE	DIE ONLY	MANUFACTURERS OR REMARKS
 Insulated & Non-Insulated Wire Ferrules	Solid or Stranded Wire, 20-10 AWG (.5 - 6 mm ²)	20-10 Trapezoid (.50 - 6 mm ²)	PA1647	PA2681	For DIN or US Type Wire Ferrules
 Insulated & Non-Insulated Wire Ferrules	Solid or Stranded Wire, 20-12 AWG (.5 - 4 mm ²)	20-12 Trapezoid (.50 - 4 mm ²)	PA1648*	N/A	For DIN or US Type Wire Ferrules

*The die sets for these tools are NOT removable or interchangeable. Removal of the die sets will void the warranty and cause the tool to lose calibration.

Communications

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271

Gator® Terminal Crimping Tool

NEW



- Intelligent Crimping System Technology includes a pressure sensor that monitors the crimping force of each crimp and provides the operator a visual and audible alert if the force is below specifications.
- State of the art 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times.
- LED light provides the operator with the battery charge and tool maintenance status.
- In line tool style is light weight and very easy to control
- One trigger controls all tool functions.
- Crimping head rotates 350°
- Tools automatically retract when the crimping or cutting cycle is complete
- Overmolded tacky grip areas make gripping the tool easier and more comfortable.
- LED work light illuminates dark work areas.
- Greenlee battery-powered crimping tools now use bio-degradable oil.
- Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life
- Uses all Kwik Cycle 9 crimping dies.
- Available with 120V, 12V or 230V battery charger or with 120V or 230V corded adapter in place of batteries and charger

SPECIFICATIONS

Capacity	Uses Kwik Cycle 9 Die Sets
Length	12-3/4" (324 mm)
Weight	3-1/2 lb. (1.6 kg)
Battery	18V 1.5 Ah Li-ion
Crimping Force	2,900 lb. (13kN)
Width	2-7/8" (73 mm)
Crimp Cycle Time	~2 seconds
Battery Charge Time	30 minutes
Est. Cycles per Charge	400

CAT. NO. UPC NO. DESCRIPTION

EK210L11	52079	1.5-Ton Battery-Powered Crimping Tool w/120 volt charger
EK210L12	52080	1.5-Ton Battery-Powered Crimping Tool w/12 volt charger
EK210L22	52081	1.5-Ton Battery-Powered Crimping Tool w/230 volt charger
EK210L120	52082	1.5-Ton Crimping Tool w/120V AC Adapter
EK210L230	52083	1.5-Ton Crimping Tool w/230V AC Adapter
52177	52177	(R) 18V 1.5 Ah Li-ion
25752	25752	(R) Carrying Case
52178	52178	(R) 120V Charger
52179	52179	(R) 12V Charger
52180	52180	230V Charger

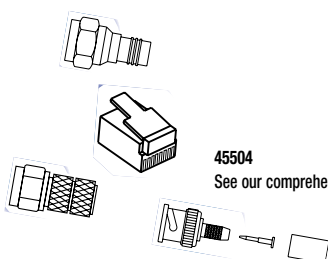
Kwik Cycle® 9" Crimp Frame



- 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
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45504

See our comprehensive line of connectors on pages 249-252.

Kwik Cycle® 9" Interchangeable Die Sets for Coaxial Connectors

	DESCRIPTION		CRIMP PROFILE & DIMENSIONS						CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	
			BRAID CRIMP				CENTER CONTACT						TOOL WITH DIE
	CABLE TYPE	CONNECTION											
	RG58/RG59/ RG59TFE/RG6	BNC/TNC Cambridge/ AIM, 2-piece										45562	45562
	Belden 1694A	BNC/TNC										45563	45563
	RG22B/U Twinax & others	Twinax										45574	45574
	RG58/RG174/8218	BNC/TNC 50 and 75 OHM										46826	46826
	RG6/RG59 & 8281	BNC/TNC & F, 50 and 75 OHM. Also 1695, 1505, 9259 and 9231								45545	45545	46830	46830
	RG58/RG59/62AU	BNC/TNC								46800	46800	46824	46824
	RG59, RG6	CATV F								46801	46801	46808	46808
	RG58, RG59 Plenum & Non-Plenum Thinwire	BNC/TNC 50/75 OHM										45556	45556
	RG6, RG174, 8281, AT&T 728	BNC/TNC/F								45582	45582	45557	45557
	RG58/141/142/58 Teflon/ 58 Thinney/RG59	BNC/TNC/F										45558	45558
	RG58/59/62 Teflon	BNC/TNC from Cambridge/AIM										45559	45559

Communications

USA

Tel: 800.435.0786
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CANADA


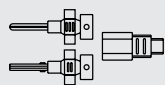
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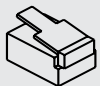

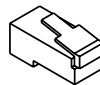

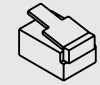

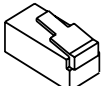


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Fax: +1.815.397.9247

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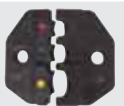
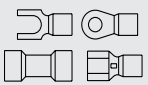

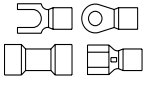

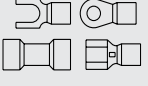

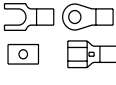
Kwik Cycle® 9" Interchangeable Die Sets for Open Barrel Contacts System

DESCRIPTION		CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
CONNECTION	FEATURES	TOOL WITH DIE		DIE ONLY	
 22-10 AWG (0.3 TO 6 MM ²) 	Open barrel, non-insulated terminals, ring tongue, spade and slide-on style			45508	45508

Kwik Cycle® 9" Interchangeable Die Sets for Modular Plugs

DESCRIPTION		CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
CONNECTION	FEATURES	TOOL WITH DIE		DIE ONLY	
 RJ11 2-, 4- and 6-position 	Western Electric and Stewart style connectors			46116	46116
 RJ45 8-position 	AMP modular plug connectors	45540	45540	46117	46117
 RJ11 4- and 6-position 	AMP modular plug connectors	45541	45541	46118	46118
 RJ45 10-position 	Modular plug connectors			45571	45571
 Hand set plug 4-position 				45566	45566

Kwik Cycle® 9" Interchangeable Die Sets for Insulated and 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 butt 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

Communications

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

CANADA

Tel: 800.435.0786
Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

Heat Gun



- Electronic variable heat control ranging from 250-1100° F (120-590° 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.

CAT. NO.	DESCRIPTION
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PA1873	Heat gun
--------	----------

SPECIFICATIONS	
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Weight	2 lbs. (0.9 Kg)
Power reqs.	120VAC 60 Hz
Current draw	7.5 amps max.
Power cons.	1200 watts max.

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)
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
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PA1828-1	Cable tie gun
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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
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45306	45306	Standard Cable Tie Gun
45300	45300	Heavy-Duty Cable Tie Gun

FIBER OPTIC 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.
- Dual-durometer grips for improved comfort and control

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

Fiber Optic Buffer Stripper



- Easily removes the buffer from both 250 and 900 micron cables.
- Preset at the factory – no adjustments required.
- Cushioned-grip ergonomic handles for comfortable use.
- Will not scratch or nick glass or fiber.
- 1.0 mm diameter stripping hole strips most fiber jackets.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
45589	45589	Fiber Optic Buffer Stripper

Pro-Plus Wire Stripper



- Strips the outer jacket off fiber optic cable.
- Extra-long, curved and cushioned handles add comfort and reduce hand fatigue.
- Lock tab protects cutting edges during storage.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
1955	06857	Pro-Plus Wire Stripper, 10-18 AWG

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.

CAT. NO.	DESCRIPTION
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PA1511	Economy Kevlar Cutter
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Kevlar is a registered trademark of E.I. DuPont, Inc.

SPECIFICATIONS	
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Weight	2 oz. (57 g)
Length	7.75" (197 mm)

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.

CAT. NO.	DESCRIPTION
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PA1162	Economy Fiber Optic Stripper
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SPECIFICATIONS	
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Weight	3 oz. (86 g)
Length	5" (127 mm)

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
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1903	12679	Pocket Cable Stripper
07915	07915	R Cutting Blade (Pack of 2)

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

Tel: 800.435.0786
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INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247



Fiber Optic Scribe



- Pen-type scribe with screw-in non-reversible carbide tip.
- Wedge shaped tip.
- Pocket-clip.
- Stainless steel barrel.

CAT. NO.	DESCRIPTION
PA1922-1	Fiber Optic Scribe

SPECIFICATIONS

Weight	2 oz. (57 g)
Length	5.25" (197 mm)

Communications

INTERNATIONAL

Tel: +1.815.397.7070
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CANADA

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Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

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.

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

SPECIFICATIONS	
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Weight	2 oz. (57 g)
Length	7.75" (197 mm)

Fiber Optic Co-Polymer Polishing Puck



- Used for standard ST, SC and FC connectors with 2.5 mm ferrules.

CAT. NO.	UPC NO.	DESCRIPTION
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45598	45598	Fiber Optic Co-Polymer Polishing Puck
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Fiber Optic Stainless Steel Polishing Puck



- Used for standard ST, SC and FC connectors with 2.5 mm ferrules.
- Made of stainless steel to last for years of termination.
- Precision hole prevents even the slightest misalignment.
- Grooves in the puck's surface eliminate "sticking" during wet polishes.

CAT. NO.	UPC NO.	DESCRIPTION
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45599	45599	Fiber Optic Stainless Steel Polishing Puck
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Fiber Optic Polishing Pad



- Resilient pad is perfect for PC (physical contact) pre-radiused ferrules.
- 3" x 8" (7.6 x 203.2 mm)
- 70 durometer.

CAT. NO.	UPC NO.	DESCRIPTION
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45612	45612	Fiber Optic Polishing Pad
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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

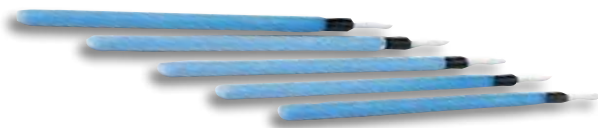
Connector Cleaning Systems



- 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
948/2	10792	Ⓡ Reel Set, 2/Package
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

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



77HP-G

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



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
RPC	08710	Ⓡ Piercing Clips

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

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Fax: 800.524.2853

INTERNATIONAL

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Fax: +1.815.397.9247

Professional GX Series Tone Generators



- 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

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
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AT8L	60583	LAN Toner
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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
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600LS	08680	Tone Test Set
600CS	08679	Leather Belt Holster for 600LS Test Set

Note: Not for use on energized AC wiring

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.

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

Note: Not for use on energized AC wiring

SPECIFICATIONS

Electrical

Output Power	+9dBm
Output Signal Frequency	877/982 Hz alternating
Output Impedance	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)

200 Series Tone Probes

MODEL NO.	200B-G	200EP-G	200GX	200FP	200XP
Powerful 2" Rear-fire Speaker	✓	✓	✓	✓	✓
One-button Operation	✓	✓	✓	✓	✓
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)				✓	✓
Patented				✓	✓



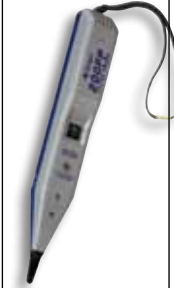
200B-G



200EP-G



200GX



200FP



200XP

Tone Probe Amplifiers



200EP-G

200C

- 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.

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

Communications

USA

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Fax: 800.451.2632

CANADA

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INTERNATIONAL

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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)

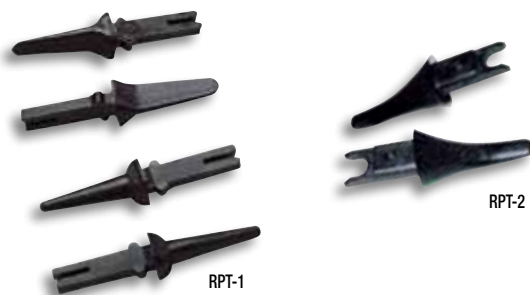
Multi-Filter Tone Probe



- 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.

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

Classic Tone and Probe Kits

NEW



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 Probe Kit includes the 77GX (or 77GX2) Tone Generator and 200XP Multi-Filter Tone Probe Amplifier in a rugged, woven nylon 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

Communications

USA

Tel: 800.435.0786
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CANADA

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Fax: 800.524.2953

INTERNATIONAL

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Fax: +1.815.397.9247

287

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
402T	60376	Transmitter
402R	60377	Receiver
CS9	60374	Male to male F-connector adapter cable
CS19	60378	F-connector to alligator clip

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

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



700C

- 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

INTERNATIONAL

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STRUCTURED WIRING TESTERS

NETcat® Pro 2 NC-500



NC-500

NC-510
(NC-500 not included)

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

- Test and troubleshoot telephone, data and coax wiring.
- NETcat Pro 2 New 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.

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

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.
TDR Range	40% to 100% in steps of 1%
TDR Resolution	0 to 2000 ft. - 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

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291

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.

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

SPECIFICATIONS

Dimensions	150 x 70 x 33mm
Weight	220g including remote unit and battery
Power Source	9V Alkaline battery (PP3)
User Interface	<p>Display LCD Icon and seven segment type</p> <p>Backlight Green LED</p> <p>Buttons Four momentary contact push button</p>
Environmental	<p>Operating Temperature 0°C to 50°C</p> <p>Storage Temperature -10°C to 60°C</p> <p>Humidity up to 95% non-condensing</p>
Interface Connections	<p>RJ45 shielded socket</p> <p>RJ12 6-way socket</p> <p>F-type threaded female coaxial connectors</p>
Network Split Pair Detection	<p>Minimum cable length 2 to 3 meters (5 to 10 ft.) depending on cable type</p>
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.

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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" 133 mm x 171 mm x 57 mm	3.45" x 1.6" x 0.9" 87 mm x 41 mm x 24 mm	8.5" x 7.6" x 3" 216 mm x 193 mm x 76 mm

PairMapper® Wiremap Kit



PM-400K

- Use to identify various wiring faults found in 10 BASE-T and other four-pair, twisted pair cables per TIA/EIA 568A and 568B.
- Tests and identifies up to four cables with unique Remote Terminators.
- Easy to use, compact.
- Checks twisted pair cable for shorts, opens, crossed pairs, reversed pairs and split pairs.
- Battery operated (4 x AAA not included).

CAT. NO. UPC NO. DESCRIPTION

PM-400K	11877	PairMapper® Wiremap Kit
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293

Sure Signal[®]



46060

- Designed for cable installers and communications technicians for testing four-pair data/voice cable links terminated with standard, modular eight-position RJ45-style jacks.
- Simplest tester available for identifying common wiring faults such as shorts, opens and miswires.
- Diagnosis can be completed at one end.
- Sequentially-lighting LEDs correspond to each wire allowing easier diagnosis of miswires than testers that check pairs.
- Can test more wiring configurations than other testers due to sequential wiremap testing.
- Shielded test ports allow extra versatility to test shielded and screened twisted pair.
- Optional patch cords allow the Sure Signal to be used as a coax tester, eliminating the need for a second tester.
- Optional remote unit can be used to check patch cords for wiring errors.
- Optional Accessory Kit includes two RJ45 patch cords, two RJ45 to BNC adapter cords, two RJ45 to RJ11 snap-in adapters and one BNC plug to BNC plug adapter.
- Battery operated (9V not included).

CAT. NO.	UPC NO.	DESCRIPTION
46060	46060	Sure Signal Line Verifier and Patch Cord Tester
46070	46070	Sure Signal Remote
45276	45276	Carrying Case
46065	46065	Sure Signal Accessory Kit
CS10	60381	Modular Adapter cable

Wiremap Tester



468

- 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).

CAT. NO.	UPC NO.	DESCRIPTION
468	08661	Wiremap Tester
468C	60382	Carrying Case for the Wiremap Tester
468T	60379	Transmitter
468R	60380	Receiver
CS10	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 FLIP 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 [™]

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
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PA1574	LAN Cable-Check™ Tester
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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
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PA1594	LAN and A/V Cable-Check™
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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
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PA1577	PC Cable-Check® Pro
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Coaxial Cable Tester



- Provides quick verification of opens or shorts in either the conductor or the shield of coax cable.
- Simple one-button operation provides pass/fail indication.
- Remote terminator allows testing of cables before or after installation.
- Clear red/green LED indication of short or open conditions.
- Standard BNC- and F-type female connectors.
- Battery operated (9V included).

CAT. NO.	UPC NO.	DESCRIPTION
45055	45055	Coaxial Cable Tester

CABLE & SERVICE TESTING

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.
- The PE961 features our DigAlert™ over-voltage alarm and lock-out function to eliminate the danger of damaging or knocking out digital service lines.
- Built-in ADSL 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
PE901	60492	Ⓡ Ground Start Cord Set
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	✓	✓	✓

Communications

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Tele-Mate® Telephone Test Sets



PE810



PE830



RPC
Replacement Piercing Clips (see page 248)

PE810

- Designed for communications wiring installation and repair to quickly verify the quality of a new installation.
- Affordable.
- Headset for hands-free operation.
- Rugged design for demanding use.
- Compact design and durable belt clip make it easy to carry.
- Adjustable volume.
- Built-in ringer.
- Tone/Pulse dialing.
- Last number redial.
- Line polarity indication.
- Microphone mute.
- Monitor safe for data.
- Replaceable premium cord set with telco-style clips.

PE830

- The Tele-Mate Pro Telephone Test Set will help you deal with the increasing complexity of telecom installation and maintenance.
- Complete telephone set with ringer.
- Phone-to-phone intercom with "SmartIntercom" alert feature.
- Modular or alligator clip connection.
- LCD Display in English, Spanish, German or French.
- Caller ID with name display.
- Call waiting Caller ID.
- Missed call indication.
- Line voltage and current display
- Ringing frequency display
- menu selectable ring tone, DTMF level, "flash" time, pluse radio, and language.
- High voltage detect and lockout.
- High current detect and lockout.
- Amplified loudspeaker line monitor.
- Headset or handset operation.
- Tone and pulse dialing.
- Large 10-location speed dialing memory.
- Multi-memory redial; Last 5 numbers dialed or received are stored.

CAT. NO.	UPC NO.	DESCRIPTION
PE810	60298	Tele-Mate® Telephone Test Set
PE830	60299	Tele-Mate® Pro Telephone Test Set
PE909	60785	R Belt Clip

FEATURE	PE810	PE830
Monitor safe for data	✓	✓
Adjustable Ringer		✓
Loud Speaker Listening		✓
DigAlert™ Data Lock-out		✓

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Butt Set



- Phone line powered eliminates need for external power source.
- Provides DTMF (touch tone) and dial pulse output.
- Talk, ring and monitor modes.
- High impedance monitor does not interfere with data, conversation or signaling.
- LED identifies polarity.
- Last number redial.
- Memory storage for 10 frequently dialed numbers.
- Field replaceable spring-loaded belt clip and line cord.

CAT. NO.	DESCRIPTION
PA1780	Butt Set
PA1785	Ⓜ Cordset Accessory with Bed-of-nails Alligator Clips

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)
PA1904	RJ22 Modular Adapter (4-way)

TurTEL Modular Adapters/Polarity Tester



- 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

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

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

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Throwmaster® Cable Test Set



- Test non-working pairs for all DC defects including opens, shorts, crosses, grounds, splits, balance and high resistance faults.
- Tests working pairs for busy status, polarity and voltage.
- Measures DC voltage from 0 to 100 volts.
- Measures resistance from 0 to 10 megohms.
- Locates opens, shorts, grounds, crosses and splits.
- Supplies talk battery and signaling functions for technician communication.
- Sends simple 577 Hz tone for pair identification which is silent to subscribers.
- Performs cut-closed cable transfers or section throws on working cables without service interruption.
- Tests and transfers metallic and pairgain circuits without interruption.

CAT. NO.	UPC NO.	DESCRIPTION
0105-0001-5	16674	Throwmaster® 105
0105-0023	16681	Throwmaster® 105 Conversion (102A to 105)

Throwmaster® Splicer's Test Set



- Performs conformance testing on twisted-pair cable.
- Rapidly tests 25 pair in 4 seconds.
- Tests modular splices when they are completed, identify splicing errors.
- Locate opens, shorts, grounds, crosses, and splits using either analog or digital meters.
- Send simple 577 Hz tone for pair identification.
- Provides talk battery.

CAT. NO.	UPC NO.	DESCRIPTION
0108-0001	02035	Throwmaster® 108

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1155 Fault Loop Simulator



- Simulates 8 faults 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.
- Ruggedized 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

Sidekick® Plus Advanced Cable Maintenance Test Set



- Complete metering of voltage, current and resistance on copper cables.
- Patented stress balance test.
- Measurement of distance to opens.
- Line quality tests for noise, loss and power influence.
- Multimode wire tracing tone.
- Resistance fault locator (RFL) and calculator.
- Powerful Time Domain Reflectometer (TDR).
- Built-in loudspeaker dialing with phone book memory.
- Auto-test mode with Pass/Fail.
- USB download of test results and upload of software.
- Analog meter or digital display selectable.
- Big, easy-to-read display with backlight.
- Rechargeable (included) or replaceable batteries.
- Advanced cable diagnosis and troubleshooting in a single test set.
- Quick testing and fast repairs.
- Test data capture for sharing and records.
- Easy to learn, especially for Sidekick family users.
- Field upgradeable software.
- Grounding Resistance Testing.
- Optional Impulse Noise Testing to 30MHz.
- Optional Step Time Domain Reflectometer.

SPECIFICATIONS

Dimensions	11 x 4.75 x 3 inches
Weight	3 lbs.
Resistance	100 megohm max
Leakage	100 megohm max
DC Voltage	0 to 300 Volts DC
AC Voltage	0 to 250 Vrms
Stress Balance	0 to 82 dBmC
RFL	20 megohm, distance to 2 megohm
TDR Range	33 kilofeet
Operating Temp.	14°F to +120°F
Power	Rechargeable Battery Pack or Six AA batteries

CAT. NO. UPC NO. DESCRIPTION

1155-5001	04346	Sidekick Plus Kit
1155-5002	05435	SK Plus, Impulse Noise, US
1155-5003	58799	Sidekick Plus CE Kit, International
1155-5004	58805	Sidekick Plus CE IMP Noise Kit, International
<i>N</i> 1155-5005	13048	Kit, SK Plus with Impulse Noise & Step TDR
<i>N</i> 1155-5105	57684	SK Plus Step TDR Upgrade

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.

CAT. NO. UPC NO. DESCRIPTION

1137-5002	60526	Sidekick T&N
1134-1002S	60752	<i>R</i> Case
1131-0202	60751	<i>R</i> Test Leads

SPECIFICATIONS

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

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 dBmC
Leakage	100 Megohm max.	Circuit Noise	0 to 75 dBmC
Stress	0 to 82 dBmC	Power	Four AA Batteries

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

Sidekick® V.O.C.



1143-5000

- 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 dBmC
Operating Temp.	-4°F to +140°F
Power	Four AA batteries

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

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
1134-1002S	60752	R Case
1131-0202	60751	R Test Leads

N = NEW PRODUCT **R** = REPLACEMENT PART **A** = ACCESSORY

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



- 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.

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

TelScout® TS100



- Twisted Pair and Coax Testing in a Single Unit (optional).
- One-Step Setup.
- Automatic and Manual Instrument Control Mode.
- 45 kilofeet Fault Location Capability.
- Rugged – Survives 6 foot (2m) Drop.
- Powered from AC Mains or Rechargeable Internal Battery.
- Single-Button Zoom Function.
- Short Pulse Width Option (Includes Coax Testing Capability).
- 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).
- Internal Memory Waveform Storage and Trace Upload to PC Software (MCTAP-Option).
- Serial Printer Output for Stored or Displayed Waveforms.
- Accurate (± 3 ft. at 10,000 ft.)
- On-line Tutorials.
- Large Backlit Display.

CAT. NO.	UPC NO.	DESCRIPTION
TS100-01	60520	TelScout® TS100-01 Metallic TDR
TS100-01E	02110	TelScout® TDR English 220V Europe
TS100-01F	02141	TelScout® TDR French 220V EU
TS100-01G	05701	TelScout® TDR German 220V Europe
TS100-01S	05619	TelScout® TDR Spanish 120V US
TS100-0C	17350	A AC Adapter 120V (US)
174173401	16407	A Vehicle Adapter/DC Adapter
146009800	21638	R Rechargeable Internal Battery
650391700	60754	R Leads

SPECIFICATIONS

Environmental

Temperature –
 Operating: 17° F to 92°F (-15° C to +60° C).
 Non-operating: 12° F to 97° F (-20° C to +65° C).
 Humidity – 95% RH, non-condensing.
 Shock (test specification) – Survives drop of 2 m to concrete in standard soft case.
 Safety – EN 61010-1 and EN61010-031.
 EMC – EN61326.

Power

Mains Operation –
 Voltage Ranges: 110 V, 220 V, 240 V with appropriate AC to DC adapter.
 Battery Operation –
 Operating Time: 6 hrs. continuous.
 Battery Saver: Selectable for 5 to 30 minutes or disabled.

SPECIFICATIONS

Physical

Dimensions	in.	mm
Height	12	30
Width	10	25
Depth	3.5	9
Weight	lb.	kg
Net	6.4	3

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.

CAT. NO.	UPC NO.	DESCRIPTION
TS90	60522	TelScout® TS90
012154500	60740	Leads
THM5BAT	60756	Rechargeable Battery Pack

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.

Physical

Dimensions	in.	mm
Height	5.6	141
Width	8.3	211
Depth	1.8	43
<hr/>		
Weight	lb.	kg
Net	2.2	1

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. (1 kg).
- Includes rechargeable battery pack.
- Includes twisted pair adapter and test probe.

CAT. NO.	UPC NO.	DESCRIPTION
TV90	12600	TV90 CableScout™ TDR
THM5BAT	60756	Rechargeable Battery Pack
THM5AC	17299	AC Adapter 110V
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

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

CableScout™ TV220TDR



- CableScout TV220: High Performance Time Domain Reflectometer for Coaxial Applications.
- The TV220 is designed to quickly locate faults that effect digital services in the Cable TV Network.
- High Frequency acquisition system exposes faults invisible to other TDR's.
- High signal-to-noise ration (SNR) allows for precision multiple fault location accuracy.

CAT. NO.	UPC NO.	DESCRIPTION
TV220	12599	CableScout™ TV220TDR
TV220-0350	17404	Soft Carrying Case
174173401	16407	Vehicle DC Adapter/Charger
174326900	16414	Replacement Power Cord

SPECIFICATIONS

Easy to operate with on-board Tutorials
 Automatic or manual test features
 One-button zoom control.
 Trace comparison mode
 Intermittent Fault location
 Automatic event return loss
 Input protection to 400 VDC + Peak AC
 Internal memory waveform storage and trace upload to PC Software (MCTAP- Option).
 Serial output connector - print directly from unit
 Precision accuracy to +- 4 ft. at 12,000'
 High-resolution 1 (ns) short pulse width.
 Rugged - designed for harsh environments
 Large 7.2-in. high-resolution backlit display.
 International language and power supply options

Environmental

Temperature:

Operating: 22° F to 72°F (-10° C to +40° C).

Non-Operating: 12° F to 92°F (-20° C to +60° C).

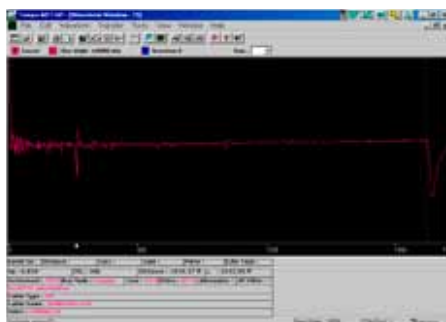
Durability: Survives Drop test of 6 foot (2m) to concrete in soft case

Power: 110 V, 220 V, 240 V with appropriate power adapter

Battery type: Internal Lead Acid rechargeable. 8 hours continuous operation with adjustable battery saver modes

Standards Compliant: UL, FCC EMI, CAN/CSA, EN and CE

MCTAP Waveform Analysis Software for TS100/TV220



- Metallic Cable Trace Analysis Package (MCTAP) is a Windows based program for viewing and analyzing wave forms acquired by the Tempo TV220 and TS100 TDR. MCTAP may be installed on computers running Windows 95/98, Windows NT, Windows ME, 2000, XP.

CAT. NO.	UPC NO.	DESCRIPTION
MCTAP	60755	MCTAP Software

SPECIFICATIONS

- TDR waveforms that are saved in the field can be uploaded to a computer for data management and analysis
- Waveform data can be exported as BMP, JPEG, and TIF file formats for easy communication of data
- Waveform data can be exported as text or spreadsheet compatible files for use in word processors or spreadsheet programs
- Must have a RS232 port or USB/RS232 convertor to use

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	20945	PON Optical Loss Test Set (1310/1490/1550nm)

SPECIFICATIONS

AUTOTEST INSERTION LOSS

Test Port 40dB

Measurement Range

Calibrated Wavelengths 1310, 1490, 1550nm

RETURN LOSS

Measurement Range 10 to 45dB

Accuracy .5dB

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

SPECIFICATIONS

POWER METER

Detector Type	InGaAs
Display Range	+10dBm 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

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

See page 329 for available adapters.

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-PCX	20942	1310/1550nm Smart Optical Loss Test Set - PC Connectors
525-60-APC	20943	1310/1550nm Smart Optical Loss Test Set - APC Connectors
525-60RL-APC	20944	1310/1550nm Smart Optical Loss Test Set - APC Connectors

SPECIFICATIONS

	525-60-PCX	525-60-APC	525-60RL-APC
Instrument Type	Singlemode Smart Loss Test Set	Singlemode Smart Loss Test Set	Singlemode Smart Loss Test Set
Interface Connector	PC Connector Interface	APC Connector Interface	APC Connector Interface
AUTOTEST measurements	AUTOTEST performs Insertion Loss Test and Manual Return Loss	AUTOTEST performs Insertion Loss Test and Manual Return Loss	AUTOTEST performs Insertion and Return Loss in one Test
POWER METER SPECIFICATIONS			
Detector Type	InGaAs	InGaAs	InGaAs
Display Range	+10dBm to -70dBm	+10dBm to -70dBm	+10dBm to -70dBm
Calibrated Wavelengths	850, 980, 1300, 1310, 1550, 1480, 1625	850, 980, 1300, 1310, 1550, 1480, 1625	850, 980, 1300, 1310, 1550, 1480, 1625
Absolute Accuracy	±0.25dB	±0.25dB	±0.25dB
Resolution	0.01dB	0.01dB	0.01dB
Measurement Units	dBm, dB, W	dBm, dB, W	dBm, dB, W
Adapter Type	UCI-UPC flat polish adapter 9/125SM	UCI-APC polish adapter 9/125 SM	UCI-APC polish adapter 9/125 SM
SOURCE SPECIFICATIONS			
Center Wavelength	1310nm ±30nm 1550nm ±30nm	1310nm ±30nm 1550nm ±30nm	1310nm ±30nm 1550nm ±30nm
Spectral Width	<5	<5	<5
Output Power	>-10 dBm	>-10 dBm	>-10 dBm
Output Stability	±0.15dB/ 8 hours	±0.15dB 8 hours	±0.15dB/ 8 hours
AUTOTEST INSERTION LOSS SPECIFICATIONS			
Test Port Measurement Range	40dB	40dB	40dB
Calibrated Wavelengths	1310, 1550nm	1310, 1550nm	1310, 1550nm
RETURN LOSS SPECIFICATIONS			
Measurement Range	10 to 45dB	10 to 65dB	10 to 65dB
Accuracy	.5dB	.5dB	.5dB
GENERAL DESCRIPTIONS			
Display Type	Graphics Liquid Crystal with Backlight	Graphics Liquid Crystal with Backlight	Graphics Liquid Crystal with Backlight
Fiber Type	Singlemode 9/125 um	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	FC, SC, ST other adapter options available
Laser Classification	Class 1 CFR 1040	Class 1 CFR 1040	Class 1 CFR 1040
Operating Temperature	0°C to +50°C	0°C to +50°C	0°C to +50°C
Storage Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Relative Humidity	0 to 95% RH non-condensing	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)	19.3 x 10.9 x 5.8 cm (7.6 x 4.3 x 2.3 in)
Weight	1.0kg (2.2 lbs)	1.0kg (2.2 lbs)	1.0kg (2.2 lbs)
Power	Internal rechargeable NiMH	Internal rechargeable NiMH	Internal rechargeable NiMH
Battery Life	>8 hours	>8 hours	>8 hours

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

Tel: 800.435.0786
Fax: 800.524.2953

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

525-30 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.

SPECIFICATIONS

POWER METER

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

SOURCE

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

See page 329 for available adapters.

CAT. NO.	UPC NO.	DESCRIPTION
525-30-PCX	49981	850/1300nm Smart Optical Loss Test Set - PC Connectors

AUTOTEST INSERTION LOSS

Test Port

Measurement Range	25dB
Calibrated Wavelengths	850, 1300nm

GENERAL SPECIFICATIONS

Display Type	Graphics Liquid Crystal with Backlight
Fiber Type	Multimode 62.5/125 um
Standard Adapter Type	FC, SC, ST or 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).
- 0.01dB 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

SPECIFICATIONS

OPTICAL

Calibration Wavelengths	850nm, 1300nm, 1310nm and 1550nm
Power Range	+3 dBm to -60 dBm
Accuracy	± 0.25dB
Linearity	
+3dBm to -3dBm	±0.5dB
-3dBm to -50dBm	±0.05dB
-50dBm to -60dBm	±0.5dB
Resolution	0.01dB
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	241g (8.5 oz.)
CE	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4

Tel: +1.815.397.7070
Fax: +1.815.397.9247

Tel: 800.435.0786
Fax: 800.524.2853

Tel: 800.435.0786
Fax: 800.451.2632

850/1300nm LED Source



- 850/1300nm 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

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

SPECIFICATIONS

OPTICAL

Center Wavelengths	850nm	1300nm
Range (typical)	840nm to 880nm	1270nm to 1345nm
Max. spectral width	55nm	150nm
Stability (1 hour)	±0.05dB	±0.05dB
Typical power output		
100/140um	-13dBm	-20dBm
62.5/125um	-13dBm	-20dBm
50/125um	-14dBm	-21dBm
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 temp.	-15° C to +55° C
Storage temp.	-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

1310/1550nm 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

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	1310nm	1550nm
Range (typical)	1280nm to 1340nm	1520nm to 1580nm
Max. spectral width	<5nm	<5nm
Stability (1 hour)	±0.05dB	±0.05dB
Typical power output (9/125)		
Minimum	-8dBm	-8dBm
Typical	-7dBm	-7dBm
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 temp.	-15° C to +55° C
Storage temp.	-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
CDRH Laser Class	Class 1

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.

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

SPECIFICATIONS

OPTICAL

Light source type	635nm red laser diode
Center wavelength	
Nominal	635nm
Range (typical)	630nm to 640nm
Spectral width (FWHM)	<2nm
Typical output power	1.0mW (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 temp.	-10° C to +50° C
Storage temp.	-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	200g (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

Multimode Fiber Optic Test Set



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

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

KIT SPECIFICATIONS

5670-FC INCLUDES:

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

5670-SC INCLUDES:

- 560XL Optical Power Meter
- 570XL-SC 850/1300nm LED Source w/SC Connector
- 1062 SC/PC SOC Adapter
- 914B Carrying Case

5670-ST INCLUDES:

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

Singlemode Fiber Optic Test Set



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

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

KIT SPECIFICATIONS

5680-FC INCLUDES:

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

5680-SC INCLUDES:

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

5680-ST INCLUDES:

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

Multimode and Singlemode Fiber Optic Test Set



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

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

KIT SPECIFICATIONS

5890-FC INCLUDES:

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

5890-SC INCLUDES:

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

5890-ST INCLUDES:

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

920XC Handheld Multimode OTDR

NEW



- Economical.
- Compact handheld design.
- Easy to use.
- Fast automated testing.
- Up to 22db 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.

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

MULTIMODE SPECIFICATIONS

Fiber Type	920XC-20M	
Wavelength (\pm 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	$\pm(1m + 5 \times 10^{-5} \times \text{distance} + \text{sampling space})$	
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)	

Communications

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Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

920XC Handheld Singlemode OTDR

NEW


- Up to 38db 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 fiber testing.
- RS-232/USB interface.

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

SINGLEMODE SPECIFICATIONS

Fiber Type	920XC-20C	920XC-30F	920XC-30P
Wavelength (± 20 nm)	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 μ s, 2.5 μ s, 10 μ s, 20 μ s		
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	$\pm(1m + 5 \times 10^{-5} \times \text{distance} + \text{sampling space})$		
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)		

N = NEW PRODUCT **R** = REPLACEMENT PART **A** = ACCESSORY

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
OFM1020-85M10	21100	Ruggedized Short Wavelength Hi-Res OTDR with Cal-Kit
TFM150-C	25894	Tunable C-Band Hi-Res OTDR
3030-013	10110	Long Wavelength Hi-Res OTDR

SPECIFICATIONS

Fiber Type	OFM1020	OFM130	TFM150
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		85dB
Accuracy		±1.0dB	
INSERTION LOSS, FRESNEL			
Dynamic Range	40dB		35dB
Accuracy		±0.3dB	
INSERTION LOSS, RAYLEIGH			
Dynamic Range	20dB		15dB
Accuracy		±0.02 dB	
WAVELENGTH			
Accuracy	40 nm	40 nm	0.12 nm
Spectral Width	20 nm	20 nm	<0.3 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")	57 cm x 47 cm x 19 cm (22.4"x18.5"x7.5")
Weight	11 kg (24 lb.)	9.5 kg (21 lb.)	16 kg (36 lb.)
POWER			
AC		110/220V, 60/400Hz	
DC	24V	n/a	n/a

Optical Loss Test Sets

MODEL NO.	523B-13/15	105202K	6052B2K	60556MT	253B+557B
PACKAGE	Handheld	Palm-sized	Palm-sized	Palm-sized	Palm-sized
SOURCE TYPE	Laser	Laser	LED	LED	LED
CALIBRATION WAVELENGTHS (nm)	1310/1550	1310/1550	850/1300	850/1300	650
MEASUREMENT RANGE	+3 to -75dBm	+3 to -60dBm	+3 to -60dBm	+3 to -60dBm	+3 to -60dBm
MEASUREMENT UNITS	dB, dBm, W	dB, dBm	dB, dBm	dB, dBm	dB, dBm
Storage Capability	✓				
Single-mode	✓	✓			
Multimode (glass)			✓	✓	
Multimode (POF)					✓
Talk Function					
					
	523B-13/15	105202K	6052B2K	60556MT	253B + 557B

Advanced Single-Mode Optical Loss Test Set



- Incorporates a stable dual 1310nm/1550nm laser source and optical power meter in a convenient self-contained package to perform insertion loss and link loss testing.
- Large, backlit LCD makes it easy to view power levels and calibration wavelengths.
- Operation is simple due to the user-friendly keypad and intuitive controls.
- Remote operation permits the automation of tedious or repetitive measurements.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- Indium-gallium-arsenide (InGaAs) photodetector.
- 1310/1550nm dual laser source.
- +3dBm to -75dBm measurement range.
- PASS/FAIL testing with audible signal.
- Manual or timer-driven data logging for periods from one second to one hour.
- Data storage for 1,000 measurements.
- RS232 interface for instrument configuration and data transfer to a PC-compatible workstation or serial printer.
- Powered by a rechargeable nickel-metal hydride (NiMH) battery pack, four alkaline batteries or AC adapter.
- Built-in NiMH battery charger with external power supply.

CAT. NO.	UPC NO.	DESCRIPTION
523B-13/15	60550	Advanced Single-Mode Optical Loss Test Set

Requires one SOC and one UCI connector adapter (See pages 329 and 330). Source output is directly compatible with PC connectors. For APC use hybrid cable approach (See page 331).

fiberTOOLS® Single-Mode Optical Loss Test Sets



- These conveniently packaged test sets are used to test, troubleshoot and maintain Telco, CATV, LAN and other single-mode network applications. The Basic Set can be used to measure output power and certify end-to-end attenuation on deployed fiber spans.
- Easy to use, all-in-one prepackaged kit.
- Dual wavelength 1310/1550nm source covers all requirements.
- Source has stable, calibrated output.
- Rugged, splashproof instruments.
- Water- and air-tight hard carrying case.
- Meets the link certification requirements of TIA-568B and ISO/IEC-11801.
- 0.01dB measurement resolution.
- Two AA batteries provide power for over 100 hours in the optical power meters, over 50 hours in the LED sources and over 48 hours in the visual fault finder.

Basic Sets Include:

- 555B Optical Power Meter plus adapter.
- 262A Dual Wavelength 1310/1550nm Laser Source plus adapters.
- Hard carrying case (900B).

Deluxe Sets Include:

- Basic Set contents.
- Visual fault finder T160.
- Connector cleaner.
- Cleaning wands.

CAT. NO.	UPC NO.	DESCRIPTION
Basic Single-Mode Test Sets		
10520E2	60611	Basic SM Test Set E2000-PC
105202K	60608	Basic SM Test Set, FC-PC
105203K	60609	Basic SM Test Set, ST-PC
105206K	60610	Basic SM Test Set, SC-PC
1052011	60607	Basic SM Test Set, DIN
Deluxe Single-Mode Test Sets		
11520E2	60618	Deluxe SM Test Set E2000-PC
115202K	60615	Deluxe SM Test Set, FC-PC
115203K	60616	Deluxe SM Test Set, ST-PC
115206K	60617	Deluxe SM Test Set, SC-PC
115201U	60614	Deluxe SM Test Set, DIN
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)



To accommodate other connector types, see our SOC/UCI adapters on pages 329 and 330 and reference cables on page 333.

Communications

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USA

Tel: 800.435.0786
Fax: 800.451.2632

fiberTOOLS® Multimode Optical Loss Test Sets



- These conveniently packaged test sets are used to test, troubleshoot and maintain LAN and other network applications.
- Easy to use, all-in-one prepackaged kit.
- Dual wavelength 850/1300nm LED source(s) covers all requirements.
- Rugged, splashproof instruments.
- Water- and air-tight hard carrying case.
- Meet the link certification requirements of TIA-568B and ISO/IEC-11801.
- 0.01dB measurement resolution.
- Two AA batteries provide power for over 100 hours in the optical power meters, over 24 hours in the LED sources and over 48 hours in the visual fault finder.

Basic Sets Include:

- 555B Optical Power Meter plus adapter.
- 252B Dual Wavelength 850/1300nm LED Source plus 2x adapters.
- Hard carrying case (900B).

Deluxe Sets Include:

- Basic Set contents.
- Visual fault finder T160L.
- Connector cleaner.
- Cleaning wands.

CAT. NO.	UPC NO.	DESCRIPTION	CAT. NO.	UPC NO.	DESCRIPTION
MM 50/125		BASIC MULTIMODE TEST SETS	MM 50/125		DELUXE MULTIMODE TEST SETS
5052BE2	60627	Basic MM Test Set, E2000-PC	5152BE2	60635	Deluxe MM Test Set E2000-PC
5052B2K	60624	Basic MM Test Set, FC-PC	5152B2K	60632	Deluxe MM Test Set, FC-PC
5052B3K	60625	Basic MM Test Set, ST-PC	5152B3K	60633	Deluxe MM Test Set, ST-PC
5052B6K	60626	Basic MM Test Set, SC-PC	5152B6K	60634	Deluxe MM Test Set, SC-PC
5052BIU	60623	Basic MM Test Set, DIN	5152BIU	60631	Deluxe MM Test Set DIN
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)	90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

fiberTOOLS® MT-RJ Optical Loss Test Sets



- Our MT-RJ Test Sets provide all the equipment required to test, troubleshoot and certify multimode optical links.
- Easy to use, all-in-one prepackaged kit.
- Both 850 and 1300nm LED sources available.
- Rugged, splashproof instruments.
- Conveniently packaged in a water- and air-tight hard case.
- Meets the link certification requirements of TIA-568B and ISO/IEC-11801.
- 0.01dB measurement resolution.
- Two AA batteries provide power for over 100 hours in the optical power meters, over 24 hours in the LED sources and over 48 hours in the visual fault finder.

Basic Single Wavelength Test Sets Include:

- 556MT Optical Power Meter plus MT-RJ adapter.
- 255MT (1300nm) or 257MT (850nm) LED Source.
- Hard carrying case (900B).

Dual Wavelength Deluxe Test Sets Include:

- 556MT Optical Power Meter plus MT-RJ adapter.
- 255MT 1300nm MT-RJ LED Source.
- 257MT 850nm MT-RJ LED Source.
- MTRJ connector cleaner.
- Hard carrying case (901B).
- 263MT MT-RJ visual fault finder.
- Cleaning wands.

CAT. NO.	UPC NO.	DESCRIPTION
Single Wavelength MT-RJ Test Sets		
60556MT	60555	Basic MM Test Set, 1300nm
60576MT	60727	Basic MM Test Set, 850nm
Dual Wavelength 850/1300nm MT-RJ Test Sets		
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Optical Power Meters

MODEL NO.	522B	522B-HP	555B	556MT	557B	558B
PACKAGE	Handheld	Handheld	Palm-sized	Palm-sized	Palm-sized	Palm-sized
DETECTOR TYPE	1 mm InGaAs	Filtered 2 mm InGaAs	1 mm InGaAs	3 mm Ge	3 x 3.5 mm Silicon	Filtered 2 mm InGaAs
CALIBRATION WAVELENGTHS (nm)	850/980/1310/1480/1550/1625	850/980/1310/1480/1550/1625	850/1300/1310/1550	850/1300/1550	635/780/850	980/1310/1550
MEASUREMENT RANGE	+3 to -75dBm	+25 to -53dBm	+3 to -60dBm	+3 to -40dBm	+3 to -60dBm	+25 to -30dBm
MEASUREMENT UNITS	dB, dBm, mW	dB, dBm, mW	dB, dBm	dB, dBm	dB, dBm	dB, dBm
OPTICAL POWER METER INTERFACE TYPE	SOC Adapter	SOC Adapter	SOC Adapter	SOC Adapter	SOC Adapter	SOC Adapter
User-Selectable Auto Shutoff	✓	✓	✓	✓	✓	✓
Storage Capability	✓	✓				



522B



522B-HP



555B



556MT



557B



558B

Advanced Optical Power Meters



522B

- Designed for insertion loss and link loss measurements using an external light source.
- Large, backlit LCD makes it easy to view power levels and calibration wavelengths.
- Operation is simple due to the user-friendly keypad and intuitive controls.
- Remote operation permits the automation of tedious or repetitive measurements.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 850nm, 980nm, 1310nm, 1480nm, 1550nm and 1625nm calibration wavelengths.
- InGaAs photodetector.
- +3dBm to -75dBm measurement range.
- PASS/FAIL testing with audible signal.
- Manual or timer-driven data logging for periods from one second to one hour.
- Data storage for 1,000 measurements.
- RS232 interface for instrument configuration and data transfer to a PC-compatible workstation or serial printer.
- Powered by a rechargeable nickel-metal hydride (NiMH) battery pack, four alkaline batteries or AC adapter.
- Built-in NiMH battery charger with external power supply.



To accommodate other connector types, see our SOC/UCI adapters on pages 329 and 330 and reference cables on page 333.

CAT. NO.	UPC NO.	DESCRIPTION
522B	60548	Advanced Optical Power Meter, Medium Power to +3dBm
522B-HP	60549	Advanced Optical Power Meter, High Power to +27dBm

Requires one Snap-On Connector (SOC) interface (See pages 329 and 330). Compatible with both PC and APC connectors.

InGaAs Optical Power Meter



- Suitable for power measurements on both laser and LED based single-mode and multimode fiber optic systems.
- Easy to use; three buttons control all essential functions.
- Multi-wavelength reference stores and recalls reference power levels for faster, more efficient measurement.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 850nm, 1300nm, 1310nm and 1550nm calibration wavelengths.
- InGaAs detector.
- +3 to -60dBm measurement range.
- 0.01dB measurement resolution.
- Relative logarithmic dB and absolute logarithmic dBm units.
- User-selectable auto shutdown.
- Two AA batteries provide power for over 100 hours.
- Optional AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
555B	60567	InGaAs Optical Power Meter
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one Snap-On Connector (SOC) interface (See pages 329 and 330). Compatible with both PC and APC connectors.

Ge MT-RJ Optical Power Meter



- Pair with an LED source to test insertion loss of multimode MT-RJ fiber optic cables and connectors or use independently to perform link loss testing of installed cable plants.
- Easy to use; three buttons control all essential functions.
- Multi-wavelength reference storage capability permits convenient insertion and link loss testing at different transmission windows.
- Wide area detector allows for testing of each channel individually, simultaneously or alternating between the two channels.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 850nm, 1300nm and 1550nm NIST traceable calibration wavelengths.
- Special extra-large area germanium detector.
- +3 to -40dBm measurement range.
- -0.01dB measurement resolution.
- Relative logarithmic dB and absolute logarithmic dBm units.
- User-selectable auto shutdown.
- Two AA batteries provide power for over 100 hours.
- Optional AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
556MT	60552	Ge MT-RJ Optical Power Meter
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one T13A2 for MT-RJ Snap-On Connector (SOC) adapter (See page 330).
Compatible with both PC and APC connectors.

Silicon Optical Power Meter



- Optimized for power measurements on fiber optic systems based on single-mode, multimode, plastic or large core glass optical fibers and using near-infrared or visible light sources.
- Easy to use; three buttons control all essential functions.
- Multi-wavelength reference stores and recalls reference power levels for faster, more efficient measurement.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 635nm, 780nm and 850nm calibration wavelengths.
- 3 x 3.5 mm Silicon detector.
- +3 to -60dBm measurement range.
- 0.01dB measurement resolution.
- Relative logarithmic dB and absolute logarithmic dBm units.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 100 hours.
- Optional AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
557B	60553	Silicon Optical Power Meter
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one Snap-On Connector (SOC) interface (See pages 329 and 330). Compatible with both PC and APC connectors.



To accommodate other connector types, see our SOC/UCI adapters on pages 329 and 330 and reference cables on page 333.

High Intensity InGaAs Optical Power Meter



- Suitable for power measurements on high power single-mode and DWDM fiber optic systems.
- Easy to use; three buttons control all essential functions.
- Multi-wavelength reference stores and recalls reference power levels for faster, more efficient measurement.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 980nm, 1310nm and 1550nm calibration wavelengths.
- +25 to -30dBm measurement range at 1310/1550nm.
- 0.01dB measurement resolution.
- Relative logarithmic dB and absolute logarithmic dBm units.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 100 hours.
- Optional AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
558B	60568	High Intensity InGaAs Optical Power Meter
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one Snap-On Connector (SOC) interface (See pages 329 and 330). Compatible with both PC and APC connectors.

Fault Locators and Light Detectors

MODEL	170XL	263LX	263MT	510 LS SENSOLITE®
TYPE	Visible Laser	Visible Laser	Visible Laser	Light Detector (Ge)
WAVELENGTH (NM)	635nm (red)	635nm (red)	635nm (red)	630 to 1600nm
DISTANCE	Up to 5 km (very bright)	Up to 3 km (very bright)	Up to 1 km (bright)	
LIFE / BATTERY TYPE	48 hours (2 AA)	40 hours (2 AA)	24 hours (2 AA)	1 year (2 AA)
OPTICAL INTERFACE TYPE	2.5 mm Universal Interface	Fixed FC-PC Interface	Fixed MT-RJ Interface	Universal Interface
Single-mode	✓	✓		
Multimode		✓	✓	✓
				
	170XL	263LX	263MT	510LS

FC-PC and MT-RJ Visual Fault Finders



- Used to quickly locate bending loss and breaks in optical fibers, and to identify bad connectors.
- 635nm red laser makes fiber breaks and bending losses easily visible.
- Stable, calibrated output.
- Continuous wave output mode for steady fault illumination.
- Blinking output mode increases viewing contrast.
- Optional AC power converter/adapter is available for prolonged or benchtop use.
- Proven, reliable and compact design.
- Economically priced.
- Rugged and splashproof.
- 263LX model includes fixed FC-PC interface, for use with optional FoPro® Adapter Cable or user-supplied hybrid cable (See page 333).
- 263MT model is designed for MT-RJ duplex connectors to test both fibers simultaneously.
- LX model has a range up to 3 km. MT model has a range up to 1 km.
- More than 40 hours of continuous operation.

CAT. NO.	UPC NO.	DESCRIPTION
263LX	60538	Visual Fault Finder
263MT	60539	MT-RJ Visual Fault Finder
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

SensoLITE[®] Visible/Invisible Light Detector



- Identifies live multimode and single-mode fibers.
- Helps prevent accidental eye exposure to hazardous laser radiation.
- Simple one-button test.
- Patented light baffle accepts all standard fiber optic connector types, bare fiber and even fiber loop.
- Includes both audible and visible indicators.
- Unique design permits testing in bright light conditions.
- Wide sensitivity from +25dBm to -55dBm.
- Detects visible and invisible light wavelengths from 630nm to 1600nm.
- Operates for approximately one year on two AA batteries.
- Automatic battery check.

CAT. NO.	UPC NO.	DESCRIPTION
510LS	60566	SensoLITE [®] Visible/Invisible Light Detector

Bare Fiber Adapter



- Allows temporary connection of 125 micron multimode or single-mode fiber to measuring equipment such as Sources, Optical Power Meters and Fault Locators with an FC-style connector. Connection to other common fiber optic connector styles can be accomplished with a hybrid test jumper.
- Short 5 mm minimum strip length provides easy insertion into the capillary and avoids fiber breakage.
- Reusable.
- Includes a durable 2.5 mm tungsten carbide ferrule and a ferrule cleaning tool.

CAT. NO.	UPC NO.	DESCRIPTION
55456	55456	Bare Fiber Adapter (125µm, FC-style connector)

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

CANADA

Tel: 800.435.0786
Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

LED Sources

MODEL	252B	253B	255MT	257MT
SOURCE TYPE	LED	LED	LED	LED
WAVELENGTHS (NM)	850/1300	650	1300	850
OPTICAL INTERFACE TYPE	SOC Universal	SOC Universal	Fixed MT-RJ	Fixed MT-RJ
Continuous and Modulated Output Modes	✓	✓	✓	✓
User-selectable Auto Shutoff	✓	✓	✓	✓
Single-mode	✓		✓	
Multimode (glass)	✓		✓	✓
Multimode (plastic)		✓		



252B



253B



255MT



257MT

Dual Wavelength LED Source



- Perform multimode insertion loss and link loss measurements on Local Area Networks (LAN), premises networks and Fiber Distributed Data Interface (FDDI) installations.
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy to use; three buttons control all essential functions.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- Single unit combines 850nm and 1300nm calibrated wavelengths.
- Nominal output for 62.5/125 is -13dBm for 850nm and -20dBm for 1300nm.
- Continuous and modulated output modes.
- User-selectable auto shutoff.
- TIA-568B compliant.
- Two AA batteries provide power for over 24 hours.
- Optional AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
252B	60530	Dual 850/1300nm LED Source
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires two Snap-On Connector (SOC) adapters (See pages 329 and 330).

Single Wavelength 650nm LED Source



- Performs multimode insertion loss and link loss measurements when paired with an optical power meter for POF testing.
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy to use; two buttons control all essential functions.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- Nominal output into 200/230 is -15dBm.
- Continuous and modulated output modes.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 24 hours.
- Optional AC power converter/adapter is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
253B	60531	650nm LED Source
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one Snap-On Connector (SOC) adapter (See pages 329 and 330).



To accommodate other connector types, see our UCI adapters on pages 329 and 330 and reference cables on page 333.

MT-RJ Dual Channel LED Sources



255MT

- Test insertion loss of multimode MT-RJ fiber optic cables and connectors, or pair with an optical power meter for link loss testing of installed cable plants.
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy to use; two buttons control all essential functions.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 255MT model has a 1300nm wavelength.
- 257MT model has an 850nm wavelength.
- Nominal output for 62.5/125 is -20dBm for both 850nm and 1300nm.
- Continuous and alternating output modes.
- Fixed MT-RJ interface.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 24 hours.
- Optional AC power converter/adapter is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
255MT	60533	MT-RJ Dual Channel LED Source 1300nm
257MT	60536	MT-RJ Dual Channel LED Source 850nm
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Laser Sources

MODEL	262A	265A
SOURCE TYPE	Fabry-Perot Laser	Fabry-Perot Laser
WAVELENGTHS (NM)	1310/1550	1310
OPTICAL INTERFACE TYPE	UCI	UCI
Continuous and Modulated Output Modes	✓	✓
User-selectable Auto Shutoff	✓	✓
Single-mode	✓	✓



262A



265A

1310/1550 Dual Wavelength Laser Source



- Performs single-mode insertion loss and link loss measurements when paired with an optical power meter.
- Single output interface simplifies dual wavelength measurements.
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy to use; three buttons control all essential functions.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- Single unit toggles between 1310nm and 1550nm wavelengths.
- Fabry-Perot laser diodes.
- Calibrated output power is nominal -7.0dBm.
- Continuous and modulated output modes.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 50 hours.
- Optional AC power converter/adapter is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
262A	60564	Dual Laser Source
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one UCI adapter (See pages 329 and 330). For PC polished connectors only.
For APC connectors, use hybrid reference cables (See page 333).



To accommodate other connector types, see our UCI adapters on pages 329 and 330 and reference cables on page 333.

Single Wavelength Laser Sources



265A

- Performs single-mode insertion loss and link loss measurements when paired with an optical power meter.
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy to use; two buttons control all essential functions.
- Rubber boot protects against dropping.
- Rugged and splashproof.
- 265A has a 1310nm wavelength and -7dBm output for single-mode testing.
- Continuous and modulated output modes.
- User-selectable auto shutoff.
- The 265A model operates for over 36 hours on two AA batteries.
- AC power converter/adaptor is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
265A	60565	1310nm Laser Source, SM
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one UCI adapter (See pages 329 and 330). For PC polished connectors only. For APC connectors, use hybrid reference cables (See page 333).



To accommodate other connector types, see our UCI adapters on pages 329 and 330 and reference cables on page 306.

fiberTOOLS® Carrying Cases



Carry Case only

900B
Instruments and accessories
not included

Designed to hold Tempo handheld instruments and a full range of test accessories.

900B and 901B Hard Carrying Cases




















- Top tray holds up to 3 (900B) or 4 (901B) handheld instruments and a 170XL Visual Fault Finder.
- Bottom compartment of both models stores additional instruments and test accessories.
- Compact, waterproof and lockable.
- Molded from black structural foam resin.

CAT. NO.	UPC NO.	DESCRIPTION
900B	60684	Hard Carrying Case, Holds 3 Handhelds
901B	60579	Hard Carrying Case, Holds 4 Handhelds

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 DESCRIPTION	SOC ADAPTER		UCI ADAPTER	
	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
Blank Adapter (for custom applications)		T1001 60585	N/A	
D4		T1089 60597	Use hybrid cable only *	
DIN 47256		T1010 60586		AD-108 60697
E-2000		T10E2 60599		AE2-10 60698
EC-Radiall		T10E0 60598	Use hybrid cable only *	
FC		T1020 60576		APC-108 60572
HMS-0		T1050 60592		AMS-00 60700
HMS-10/A (SMA-2.5 mm)		T1086 60595		AMT-10 60701
HMS-10/HP		T1040 60590		AHP-10 60699
LC		T10LC 60600	Use hybrid cable * or FoPro® x	

* 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)

N = NEW PRODUCT **R** = REPLACEMENT PART **A** = ACCESSORY

Fiber Optic Instrument Adapters – SOC and UCI

CONNECTOR TYPE DESCRIPTION	SOC ADAPTER		UPI-PC ADAPTER		
	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	
MIL-T-29504/4 & /5 Termini		T1038	60589	Use hybrid cable * or FoPro [®] * 	
Mini-BNC		T1047	60591	Use hybrid cable only *	
MT-RJ +		T13A2	60605 +	Use hybrid cable only *	
MT-RJ Ferrule Only +		T13AF	60606 +	Use hybrid cable only *	
MU		T10MU	60601	Use hybrid cable * or FoPro [®] * 	
SC		1062	60575		ASC-108 60574
SMA 905/906		T1087	60596		ASM-90 60702
ST		T1030	60577		ATS-108 60573
STRATOS 430/ HOLTEK 38000		T1057	60593	Use hybrid cable only *	
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 *	
VFO – Radiall		T1081	60594	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)

+ SOC adapter for use only with the 556MT Optical Power Meter on page 321.



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

USA
Tel: 800.435.0786
Fax: 800.451.2632

CANADA
Tel: 800.435.0786
Fax: 800.524.2853

INTERNATIONAL
Tel: +1.815.397.7070
Fax: +1.815.397.9247

fiberSAFE™ USA/Canada Telecom Adapter Kit — SOC and UCI



Conveniently combines the most popular SOC, UCI and bulkhead mating adapters used in the North American telecommunications market. Enables direct connectivity for Tempo fiberTOOLS® to industry-standard fiber optic connectors.

USA/Canada Telecom Adapter Kit includes:

- FC-PC/APC (wide key) bulkhead/mating adapter.
- ST-PC/APC bulkhead/mating adapter.
- SC-PC/APC bulkhead/mating adapter.
- E2000-PC/APC bulkhead/mating adapter.
- FC/SC hybrid bulkhead adapter.
- FC/ST hybrid bulkhead adapter.
- FC/E2000 hybrid bulkhead adapter.
- Universal 2.5 mm Quick Connect SOC adapter.

CAT. NO.	UPC NO.	DESCRIPTION
956US	60695	USA/Canada Adapter Kit

fiberSAFE™ Worldwide Telecom Adapter Kit — SOC and UCI



Conveniently combines the most popular SOC, UCI and bulkhead mating adapters used outside the USA and Canada. Enables direct connectivity for Tempo fiberTOOLS to industry-standard fiber optic connectors.

Worldwide Telecom Adapter Kit includes:

- DIN 47256-PC/APC bulkhead/mating adapter.
- FC-PC/APC (wide key) bulkhead/mating adapter.
- SC-PC/APC bulkhead/mating adapter.
- E2000-PC/APC bulkhead/mating adapter.
- FC/DIN hybrid bulkhead adapter.
- FC/SC hybrid bulkhead adapter.
- FC/E2000 hybrid bulkhead adapter.
- Universal 2.5 mm Quick Connect SOC adapter.

CAT. NO.	UPC NO.	DESCRIPTION
956WW	60696	Worldwide Adapter Kit

fiberSAFE™ LAN Adapter Kit — SOC and UCI



Conveniently combines the most popular SOC, UCI and bulkhead mating adapters used for Local Area Networks (LAN). Enables direct connectivity for Tempo fiberTOOLS to industry-standard fiber optic connectors.

LAN Adapter Kit includes:

- FC-PC/APC (wide key) bulkhead/mating adapter.
- ST-PC/APC bulkhead/mating adapter.
- SC-PC/APC bulkhead/mating adapter.
- SMA 905/906 bulkhead/mating adapter.
- FC/ST hybrid bulkhead adapter.
- ST/SC hybrid bulkhead adapter.
- Universal 2.5 mm Quick Connect SOC Adapter.

CAT. NO.	UPC NO.	DESCRIPTION
956LN	60694	LAN Adapter Kit

Quick Reference Charts for Fiber Testing Applications

FIBER OPTICS MEASUREMENTS MATRIX

APPLICATION	SINGLE-MODE	PAGE NO.	MULTIMODE (GLASS FIBER)	PAGE NO.
Visual Fault Location	263LX	323	263LX	323
	170XL	312	170XL	312
Visual Continuity	263LX	323	263LX	323
	170XL	312	170XL	312
Measure Optical Power (to +3dBm) (to +27dBm)	522B / 555B	320, 321	522B / 555B / 557B	320,321, 322
	522B-HP / 558B	320, 322		
	560XL	310		
Measure Insertion Loss / Attenuation (Dual Wavelength)	262A + 555B	327, 321	252B + 555B	325, 321
	523B-13/15	317		
	560XL +580XL	310, 311		
Data Storage Capability	522B / 522B-HP	320	522B / 522B-HP	320
	523B-13/15	317		

SPECIAL TEST EQUIPMENT FOR MT-RJ INTERCONNECTIONS

APPLICATION	SINGLE-MODE	PAGE NO.	MULTIMODE (GLASS FIBER)	PAGE NO.
Visual Fault Location	263MT	323	263MT	323
Visual Continuity	263MT	323	263MT	323
Measure Optical Power	556MT	321	556MT	321
Measure Insertion Loss	262A + 556MT	327, 321	255MT / 257MT + 556MT 60576MT / 60556MT	326, 321 319

SPECIAL TEST EQUIPMENT FOR PLASTIC OPTICAL FIBER (POF)

APPLICATION	MULTIMODE (1 MM POF)	PAGE NO.
Visual Fault Location	253B	326
Visual Continuity	253B	326
Measure Optical Power	557B	322
Measure Insertion Loss	253B + 557B	326, 322

Communications

INTERNATIONAL

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CANADA

Tel: 800.435.0786
Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

TIA-568B and FOTP-171A Certified Reference Cables



572J

Ensures accurate measurements for repeatable and reproducible testing to the latest industry standards.

Meets and/or exceeds the latest industry standards including:

- TIA/EIA-455-171 (FOTP-171A), issued June, 2001.
- TIA-568B, TIA-562-7 (OFSTP-7) and TIA-526-14 (OFSTP-14) for optical link testing.
- TIA-455-171 (FOTP-171, Attenuation) and TIA-455-8 (FOTP-8, Return Loss) for cable assembly testing.
- Corresponding IEC measurement standards.

SPECIFICATIONS

Ferrule OD	2.4990 ±0.0005 mm
Fiber to Ferrule Eccentricity	≤ 0.25µm (SM) and ≤ 3µm (MM)
Insertion Loss	≤ 0.15dB (SM, 1310/1550nm) and ≤ 0.25dB (MM, 850/1300nm)
Return Loss	≥ 55dB (SM, 1310/1550nm) and ≥ 40dB (MM, 850/1300nm)
Beam Exit Angle	≤ 0.25° (SM) and ≤ 0.5° (MM)
Standard Length	3 m

STANDARD REFERENCE CABLES (TYPE A TO TYPE B)

DESCRIPTION	CAT NO.	UPC NO.	DESCRIPTION	CAT NO.	UPC NO.	CAT NO.	UPC NO.
Single-mode Reference Cables:			Multimode Reference Cables:			50/125	
FC-PC to FC-PC	562K-101	60658	FC-PC to FC-PC	562K-105	60659	62.5/125	60660
ST-PC to ST-PC	563K-101	60661	ST-PC to ST-PC	563K-105	60662	562K-106	60663
SC-PC to SC-PC	566K-101	60664	SC-PC to SC-PC	566K-105	60665	563K-106	60666
E2000-PC to E2000-PC	56E2-101	60667	E2000-PC to E2000-PC	56E2-105	60668	566K-106	60666
LC-PC to LC-PC	56LC-LSM	60670	LC-PC to LC-PC	56LC-LM5	60671	56E2-106	60669
MU-PC to MU-PC	56MU-LFM	60676	MU-PC to MU-PC	56MU-LM5	60674	56LC-LM6	60672
						56MU-LM6	60675

HYBRID REFERENCE CABLES (FC-PC TO TYPE A)

DESCRIPTION	CAT NO.	UPC NO.	DESCRIPTION	CAT NO.	UPC NO.	CAT NO.	UPC NO.
Single-mode Reference Cables:			Multimode Reference Cables:			50/125	
FC-PC to FC-APC	572J-101	60680				62.5/125	
FC-PC to SC-APC	576J-101	60681					
FC-PC to E2000-APC	57E8-101	60682					
FC-PC to LC-PC	57LC-LSM	60733	FC-PC to LC-PC	57LC-LM5	60734	57LC-LM6	60735
FC-PC to MU-PC	57MU-LFM	60736	FC-PC to MU-PC	57MU-LM5	60737	57MU-LM6	60738



262A

To measure attenuation of SM links with APC polished connectors, use our 262A Dual Wavelength Laser Source (see page 327) with the APC-108 FC UCI Adapter (see page 329) and a Hybrid Reference Cable. Use same hybrid reference cable approach for LC-PC and MU-PC connectors.

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



- 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.

SPECIFICATIONS

	Transmitter	Receiver
Operating Voltage	0-600VAC, 0-300 VDC	Depth Range Measures: 0-15 ft. Traces: 0-20 ft.
Current	13mA (open line) 150mA (live or shorted line)	±(10% reading + 0.2 ft.)
Frequency	33.3kHz	Depth Resolution - 0.1 ft. increments
Operating Temperature	0°F to 120°F (-17°C to 50°C)	Passive Trace Frequency - 12Hz-24kHz
Size	7.5" x 4" x 2.1" (190.5 mm x 101.6 mm x 53 mm)	Operating Temperature - 0°F to 120°F (-17°C to 50°C)
Power	6 VDC (4 AA batteries)	Size 4.1" x 8.5" x 38" (104.1 mm x 215.9 mm x 965.2 mm)
Weight	15 oz. (425 g) (with batteries and clamp)	Power 6 VDC (4 AA batteries)
		Weight 1 lb. 12 oz. (794 g)

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

INTERNATIONAL
Tel: +1.815.397.7070
Fax: +1.815.397.9247

CANADA
Tel: 800.435.0786
Fax: 800.524.2853

USA
Tel: 800.435.0786
Fax: 800.451.2632

Pulser Fault 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
2000H	60357	R Transmitter (Includes CH1 & CH2)
2000R	60358	R Receiver
AF2	60482	R A-Frame
CH1	60360	R AC Charger
CH2	60361	R DC Charger

Wire Finder/Mini Locator



- Traces energized or degenerated 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
508ST	60363	R Transmitter
508SR	60364	R Receiver
CS14	60366	R Alligator Clip Cord set
CS15	60367	R AC Outlet Cord set

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
521T	60368	Transmitter
521R	60352	Receiver
HS1	08695	Headset
GS1	60362	Ground Stake

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

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

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)

Omni Marker®



- 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 Water	Purple	66.35kHz	0168-0001-1	11050

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

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

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Fax: 800.524.2853

INTERNATIONAL

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Fax: +1.815.397.9247

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
PA4945	PowerPlay GripPack
PA4946	GripPack UTP Essentials

SPECIFICATIONS

Dimensions	8.25" H x 2.8" W x 3.43" D
	210mm H x 72mm W x 87mm D
Weight	PA4940 15 oz. (428 g)
	PA4941 30.4 oz. (862 g)
	PA4942 27.2 oz. (771 g)
	PA4943 31.2 oz. (885 g)
	PA4945 20.8 oz. (590 g)
	PA4946 20.8 oz. (590 g)

Grip Pack Kits



Description	Model	PA4941	PA4942	PA4943	PA4945	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	✓		✓	✓	
PowerPlay™ PT-540	PA6520				✓	

Communications

INTERNATIONAL

Tel: +1.815.397.7070
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CANADA

Tel: 800.435.0786
Fax: 800.524.2853

USA

Tel: 800.435.0786
Fax: 800.451.2632

Ultimate Technician Kit



CAT. NO.	DESCRIPTION
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PA4932	Ultimate Technician Kit
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SPECIFICATIONS	
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Dimensions	11" W x 8.5" L x 6" D
	279 mm W x 216 mm L x 152 mm D
Weight	7.2 lbs. (3.3 Kg)

PA4932 ULTIMATE TECHNICIAN KIT INCLUDES

PA900265	R KT8 round cable cutter
PA1116	R Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1257	R LC-CST CATV "F" coax stripper
PA1923	R Untwist tool
PA1927	R CATV "F" flaring & attachment tool - RG6/RG6 QS
PA1555	R SealTite® Pro compression crimper
PA1556	R All-in-One Phone/Data tool
PA3589	R SurePunch® Pro punchdown tool
PA4599	R SurePunch® Pro detachable LED light
PA4572	R 110 blade
PA4591	R Double 110 blade
PA4573	R 66 blade
PA4574	R BIX blade
PA4575	R Krone LSA blade
PA1543	R LAN ProNavigator® tester & remote
PA1573	R Telephone Test Set & LAN Cable-Check™
PA1902	R RJ45 adapter
PA1900	R Can wrench
N/A	(10) RJ22 handset plugs
PA9520	R (10) RJ11/12 plugs, stranded, flat cable
PA9546	R (10) RJ45 plugs, Cat5e, solid, round cable
PA9644	R (10) CATV "F" RG6/RG6 QS connectors
PA901074	R (2) BNC-to-CATV "F" adapters
PA4923	R Ultimate Tool Bag
N/A	Plano® plastic tackle box

Ultimate Premise Service Kit



CAT. NO.	DESCRIPTION
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PA4933	Ultimate Premise Service Kit
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SPECIFICATIONS	
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Dimensions	11" W x 8.5" L x 6" D
	279 mm W x 216 mm L x 152 mm D
Weight	6.1 lbs. (2.8 Kg)

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.

PA4932 ULTIMATE PREMISE SERVICE KIT INCLUDES

PA900265	R KT8 round cable cutter
PA1116	R Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1257	R LC-CST CATV "F" coax stripper
PA8000	R CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
PA3589	R SurePunch® Pro punchdown tool
PA4572	R 110 blade
PA4573	R 66 blade
PA1543	R LAN ProNavigator® tester & remote
PA1573	R Telephone Test Set & LAN Cable-Check™
PA1902	R RJ45 adapter
PA901074	R (2) BNC-to-CATV "F" adapters
PA4923	R Ultimate Tool Bag
N/A	Plano® plastic tackle box

Die Sets:

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

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

Ultimate Coax Compression Tool Kit



CAT. NO.	DESCRIPTION
PA4939	Ultimate Coax Compression Tool Kit

SPECIFICATIONS	
Dimensions	11" W x 8.5" L x 6" D 279 mm W x 216 mm L x 152 mm D
Weight	8.25 lbs. (3.7 Kg)

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.

PA4939 ULTIMATE COAX COMPRESSION TOOL PRO KIT INCLUDES

PA1821	(R) AM 35 Slitter
PA900265	(R) KT8 Cutter
PA1119	(R) UTP/Coax Cutter/Stripper
PA1280	(R) CST Pro Coax tool
PA2280	(R) CST Pro GRN Cassette
PA2281	(R) CST Pro OG – Kings & Amphenol BNC
PA2282	(R) CST Pro BK – ADC, Amphenol HDTV BNC
PA2283	(R) CST Pro BL – CATV "F"
PA2284	(R) CST Pro Rollers
PA1927	(R) CATV "F" Flaring & Insertion Tool
PA1555	(R) SealTite® Pro Compression Crimper
PA1907	(R) BNC Extraction Tool
PA1908	(R) CATV "F" Extraction Tool
PA1594	(R) LAN & A/V Cable-Check™ Tester
N/A	Plano® Tackle Box
PA4923	(R) Ultimate Tool Bag
PA9645	(R) (50) SealTite™ CATV "F" – RG59
PA9720	(R) (10) SealTite™ RCA – RGX
PA9730	(R) (10) SealTite™ BNC – RGX
PA906002	(R) (30) Connector & Adapter Assortment Pack

Ultimate DataReady® Pro Kit



CAT. NO.	DESCRIPTION
PA4934	Ultimate DataReady® Pro Kit

SPECIFICATIONS	
Dimensions	11" W x 8.5" L x 6" D 279 mm W x 216 mm L x 152 mm D
Weight	5.15 lbs. (2.3 Kg)

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.

PA4932 ULTIMATE DATAREADY® PRO KIT INCLUDES

PA1116	(R) Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1923	(R) Untwist tool
PA8000	(R) CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
PA3589	(R) SurePunch® Pro punchdown tool
PA4599	(R) SurePunch® Pro detachable LED light
PA4571	(R) 110/ 66 blade
PA4591	(R) Double 110 blade
PA1543	(R) LAN ProNavigator® tester & remote
PA4923	(R) Ultimate Tool Bag
N/A	Plano® plastic tackle box

Die Sets:

PA2061	(R) RJ45 WE/SS-style
PA2062	(R) RJ11/12 WE/SS-style
PA2063	(R) RJ22 handset
PA2064	(R) RJ45 AMP-style
PA2067	(R) 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.

PA4935 ULTIMATE DATA/VOICE PRO KIT INCLUDES

PA1116	R Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1923	R Untwist tool
PA1556	R All-in-One Phone/Data tool
PA3589	R SurePunch® Pro punchdown tool
PA4572	R 110 blade
PA4573	R 66 blade
PA4591	R Double 110 blade
PA1573	R Telephone Test Set & LAN Cable-Check™
PA1900	R Can wrench
PA4923	R Ultimate Tool Bag
N/A	Plano® plastic tackle box

CAT. NO.	DESCRIPTION
PA4935	Ultimate Data/Voice Pro Kit

SPECIFICATIONS	
Dimensions	11" W x 8.5" L x 6" D 279 mm W x 216 mm L x 152 mm D
Weight	4.5 lbs. (2.0 Kg)

Ultimate Tool Bag



Tools and bits not included

- 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
PA4923	Ultimate Tool Bag with Plano® tackle box

SPECIFICATIONS	
Dimensions	Main Bag (closed) 11" H x 8.5" W x 6" D 279.4mm H x 215.9mm W x 152.4mm D
	Inner Tote (closed) 6" H x 6" W x 4.35" D 152.4mm H x 152.4mm W x 110.5mm D
Weight	2.20 lbs. (1 Kg)

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
PA4915	SealTite® Pro A/V Kit

SPECIFICATIONS	
Dimensions	9.86" W x 9.25" L x 1.52" D 250 mm W x 235 mm L x 39 mm D
Weight	46 oz. (1.03 Kg)

SEALTITE® PRO A/V KIT INCLUDES	
PA1119	Combination UTP/Coax Data SureStrip
PA1555	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
PA4910	SealTite® Pro Kit

SPECIFICATIONS	
Dimensions	8" W x 4" L x 2" D 203 mm W x 102 mm L x 51 mm D
Weight	46 oz. (1.03 Kg)

SEALTITE® PRO KIT INCLUDES	
PA900265	KT8 round cable cutter
PA1257	LC CST CATV "F" coax stripper
PA1917	RG6/RG6 Quad shield flaring tool
PA1555	SealTite® Pro compression crimper
N/A	RG6/RG6 Quad SealTite® connectors (10)

SealTite® Cable TV "F" Compression Tool Kit



This kit is designed for applications requiring weatherproof CATV "F" connections including satellite dish and CATV installations. The crimper works with Paladin's connectors as well as Augat/T&B Snap-n-Seal™. All of the tools are packed in a nylon zipper case.

CAT. NO.	DESCRIPTION
PA4906	SealTite® Waterproof Connector Kit

SPECIFICATIONS	
Dimensions	11" W x 6" L x 3.5" D 279 mm W x 152 mm L x 89 mm D
Weight	2.25 lb. (1.02 Kg)

SEALTITE® COMPRESSION TOOL KIT INCLUDES	
PA900265	KT8 Cutter
PA1257	LC CST 2-Level Coax Stripper
PA1927	CATV "F" Flaring & Insertion Tool
PA901024	SealTite® Compression Crimper
PA9643	RG6/6 QS SealTite® CATV "F" connectors (10)
N/A	Compact Zipper case

CoaxReady™ Compression Tool Kit



CAT. NO.	DESCRIPTION
PA906003	CoaxReady™ Compression Tool Kit

SPECIFICATIONS

Dimensions	10" H x 7.5" W x 2" D 254 mm W x 191 mm L x 51 mm D
Weight	3.5 lbs. (1.6 Kg)

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

COAXREADY™ COMPRESSION TOOL KIT INCLUDES

PA1821	R AM 35 Slitter
PA900265	R KT8 Cutter
PA1119	R Data & AV UTP & Coax Cutter/Stripper
PA1280	R CST Pro Coax tool
PA2280	R CST Pro GRN 3-Level Strip Blade Cartridge
PA2283	R CST Pro OG 3-Level Strip Blade Cartridge
PA2282	R CST Pro BK 3-Level Strip Blade Cartridge
PA2284	R CST Pro Rollers
PA1927	R CATV "F" Flaring & Insertion Tool
PA1555	R SealTite® Pro Compression Crimper
N/A	Zippered Cordura® Portfolio Case

CoaxReady™ Deluxe Kit



CAT. NO.	DESCRIPTION
PA901081	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

SPECIFICATIONS

Dimensions	10" H x 7.5" W x 2" D 254 mm W x 191 mm L x 51 mm D
Weight	3 lbs. (1370 g)

COAXREADY™ DELUXE KIT INCLUDES

PA900265	R KT8 round cable cutter
PA1255	R LC CST-58/59 coax stripper
PA1578	R SoHo Cable Check™
PA1302	R 1300 crimp tool frame with EZI-CHANGE™ thumb screws

Die sets:

PA2034	R BNC/TNC - RG58/59/62AU
PA2649	R BNC/TNC - CATV "F" RG59/6/Belden 8281/1694A and 1505A
PA2653	R SMA/SMB/Mini 59 BNC & TNC/Mini-UHF

CoaxReady™ Kit



CAT. NO.	DESCRIPTION
PA901054	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.

SPECIFICATIONS

Dimensions	10" H x 7.5" W x 2" D 254 mm W x 191 mm L x 51 mm D
Weight	2.5 lbs. (1140 g)

COAXREADY™ KIT INCLUDES

PA900265	R KT8 round cable cutter
PA1255	R LC CST-58/59 coax stripper
PA1302	R 1300 crimp tool frame with EZI-CHANGE™ thumb screws

Die sets:

PA2034	R BNC/TNC - RG58/59/62AU
PA2075	R BNC/TNC - RG58/59/62AU RG6 Teflon/Plenum
PA2653	R SMA/SMB/Mini 59 BNC & TNC/Mini-UHF

Telco Technician Tool Kit



CAT. NO.	DESCRIPTION
PA4938	Telco Technician Kit

SPECIFICATIONS

Dimensions	10.6" W x 10.4" L x 9.6" D 269 mm W x 264 mm L x 244 mm D
Weight	7.6 lbs. (3.45 Kg)

BROADCASTREADY® PRO KIT INCLUDES

PA1116	Ⓡ Data SureStrip® UTP/STP Cutter/Stripper
PA1933	Ⓡ Datacomm Scissors
PA3570	Ⓡ SurePunch® Pro Punchdown Tool
PA4571	Ⓡ 110/66 blade
PA4599	Ⓡ SurePunch® Pro Detachable LED Light
N/A	Mini-MagLite®
N/A	Sharpie® Black Marker
PA4940	Ⓡ GripPack Quick Release PDT Holster
PA1561	Ⓡ All-in-One Phone/Data Crimp Tool
PA9655	Ⓡ (50) RJ45 Cat5e Modular Plugs
PA9654	Ⓡ (50) RJ11 Modular Plugs
PA1902	Ⓡ RJ45 Adapter
PA1903	Ⓡ RJ11 Adapter
PA1573	Ⓡ Tone Probe Plus Cable-Check™
PA1780	Ⓡ Butt Set
PA6500	Ⓡ PowerPlay™ PT-510
N/A	Plano® Tackle Box
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.

BROADCASTREADY® PRO KIT INCLUDES

PA900265	Ⓡ KT8 round cable cutter
PA1280	Ⓡ CST Pro Coax tool
PA2280	Ⓡ CST Pro GRN – common connectors
PA2281	Ⓡ CST Pro OG – Kings & Amphenol 3-piece
PA2282	Ⓡ CST Pro BK – ADC, Amphenol HDTV
N/A	Screwdriver to change dies
PA1543	Ⓡ LAN ProNavigator® tester & remote
PA1600	Ⓡ 1600 Series crimp frame

Die Sets:

PA2003	Ⓡ BNC/TNC RG174 & other small cable
PA2005	Ⓡ BNC/TNC - RG58/59 & other small cable
PA2660	Ⓡ BNC/TNC HDTV - Belden 8281 & 7505
PA2661	Ⓡ BNC/TNC HDTV - RG59, & Belden 1505 & 8241
PA2662	Ⓡ BNC/TNC HDTV - RG6, Belden 1694A & 1855A
PA2663	Ⓡ BNC/TNC HDTV – Belden 1694A & 8281 & NT735

CAT. NO.	DESCRIPTION
PA901083	BroadcastReady® Kit

SPECIFICATIONS

Dimensions	10.5" W x 2.75" L x 3.25" D 267 mm W x 197 mm L x 83 mm D
Weight	3 lbs. (1.4 Kg)

Communications

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

CANADA

Tel: 800.435.0786
Fax: 800.524.2853

USA

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Fax: 800.451.2632

DataComm Pro Starter Kit Max with PT-510 PowerPlay Tool



This kit is the perfect solution for the new data installer. It includes all of the standard tools required for basic jobs and the PowerPlay™ PT-510 multi-tool for those unexpected needs.

- 17 piece kit
- Includes the complete solution for cutting, crimping, and terminating
- All the tools included come in a compact zipper case
- Includes PT-510 PowerPlay

CAT. NO.	DESCRIPTION
PA4919	DataComm Pro Starter Kit Max with PT510 PowerPlay Tool

SPECIFICATIONS	
Dimensions	11.2" W x 6.2" L x 3.6" D 284 mm W x 157 mm L x 91 mm D
Weight	2.3 lbs. (1.04 Kg)

DATACOMM PRO STARTER KIT MAX INCLUDES	
PA1116	R Data SureStrip® UTP/STP Cutter/Stripper
PA1931	R Datacomm Scissors
PA3570	R SurePunch® Pro Punchdown Tool
PA4528	R 110 Reversible blade
PA1561	R All-in-One Phone/Data Crimp Tool
PA6500	R PT-510 PowerPlay™ 18-Tools-in-One
PA9520	R (10) RJ45 Cat5e Modular Plugs
N/A	Compact Zipper Case

DataComm Pro Starter Kit



This kit is also a starter kit for datacomm professionals but excludes the PowerPlay™ PT-510 to make it even more budget friendly.

- 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
PA4908	DataComm Pro Starter Kit

SPECIFICATIONS	
Dimensions	9.8" W x 4.9" L x 2.7" D 249 mm W x 124 mm L x 69 mm D
Weight	1.8 lbs. (0.82 Kg)

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

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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
PA901378	DataReady™ PRO Kit
PA9013781	DataReady™ PRO Kit - Krone*

SPECIFICATIONS	
Dimensions	10 "W x 7.5" L x 2" D 254 mm W x 191 mm L x 51 mm D
Weight	4 lbs. (1.83 Kg)

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

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

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

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
PA901053	DataReady™ Kit
PA9010531	DataReady™ Kit - AMP/Krone*

SPECIFICATIONS	
Dimensions	10" W x 7.5" L x 2" D 254 mm W x 191 mm L x 51 mm D
Weight	3 lbs. (1.4 Kg)

DATAREADY™ KITS INCLUDE	
PA1116	Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1556	All-in-One Phone/Data tool*
PA3570	SurePunch® Impact Punchdown Tool
PA4571	110/ 66 blade**
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)

Communications

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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
PA901039	Premise Service Kit
PA9010391	Premise Service Kit - AMP/Krone*

SPECIFICATIONS

Dimensions	17" W x 13.4" L x 4.5" D 432 mm W x 341 mm L x 115 mm D
Weight	7.6 lbs. (3.5 Kg)

PREMISE SERVICE KITS INCLUDE

PA900265	R KT8 round cable cutter
PA1257	R LC-CST CATV "F" coax stripper*
PA1116	R Data SureStrip® UTP/STP & flat satin cutter/stripper
PA8000	R CrimpALL® crimp frame with EZI-CHANGE™ thumb screws
PA3589	R SurePunch® Pro punchdown tool
PA4599	R SurePunch® Pro detachable LED light
PA4578	R 110 blade
PA4573	R 66 blade***
PA1543	R LAN ProNavigator® UTP/STP continuity tester & remote
PA1573	R Telephone Test Set & LAN Cable-Check™
PA1902	R RJ45 8-way adapter

Die Sets:

PA2062	R RJ11/12 WE/SS-style**
PA2687	R 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)

Basic LAN Tool Kit



This convenient kit is perfect for small offices or for students just starting out. It includes essential tools needed to easily maintain your network or to make quick repairs.

CAT. NO.	DESCRIPTION
PA4929	Basic LAN Tool Kit

SPECIFICATIONS

Dimensions	7.75 "W x 11" L x 2" D 197 mm W x 280 mm L x 51 mm D
Weight	1.85 lbs. (.85 Kg)

BASIC LAN TOOL KIT INCLUDES

PA1116	R Data SureStrip® UTP/STP & flat satin cutter/stripper
PA1556	R All-in-One Phone/Data Crimper
PA3580	R Non-Impact 110 Punchdown Tool
N/A	(20) RJ45 plugs, Cat5e, solid/stranded; flat/round cable
N/A	Zipper Case with Carrying Strap

LAN Pro Starter Kit



If you are a student looking for a basic datacomm kit, an electrician just starting out or an IT mManager who needs to occasionally make repairs, this kit is for you.

- 14 piece kit
- All the tools included come in a compact zipper case

CAT. NO.	DESCRIPTION
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PA4918	Basic LAN Kit
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SPECIFICATIONS	
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Weight	1.85 lbs. (.85 Kg)
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BASIC LAN KIT INCLUDES	
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PA1116	Ⓡ Data SureStrip [®] UTP/STP & flat satin cutter/stripper
PA1556	Ⓡ All-in-One Phone/Data Crimper
PA3580	Ⓡ Non-Impact 110 Punchdown Tool
N/A	(10) RJ45 Cat5e modular plugs
N/A	Compact Zipper Case

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
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PA4909	Network Tool Bundle
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SPECIFICATIONS	
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Dimensions	9.86" H x 9.25" W x 1.52" D 250 mm H x 235 mm W x 38.6 mm D
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Weight	18.4 oz. (39 g)
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PA4909 NETWORK TOOL BUNDLE INCLUDES	
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PA1116	Ⓡ Data SureStrip [®] UTP/STP & flat satin cutter/stripper
PA1556	Ⓡ All-in-One Phone & Data Tool
PA3580	Ⓡ Non-impact 110 punchdown
PA9546	Ⓡ 10, RJ45 Cat5e plugs
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
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PA4370	Computer service kit
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SPECIFICATIONS	
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Dimensions	11" x 11.2" x 2.3" (279 mm x 285 mm x 59mm)
Weight	4.5 lbs. (2 kg)

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.

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

SPECIFICATIONS	
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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.

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TERMINATION & TESTING

Clip-On Twisted Pair Kit



- Provides the most essential tools for terminating voice and data cabling right at the installer's side.
- Rugged Cordura® pouch is built to last, lowering replacement costs.
- Heavy-duty metal clip snaps over the installer's belt so that the kit can be removed without removing the belt.
- Side holsters allow the installer to carry a flashlight and a favorite screwdriver.

CAT. NO.	UPC NO.	DESCRIPTION
46010	46010	Clip-On Twisted Pair Kit

Kit contents may be purchased separately:

46023	46023	Punchdown Tool with 110 Blade
PA1931		Electrician's Scissors
45579	45579	Twisted Pair Stripper
46500	46500	Pocket-Light Flashlight
45272	45272	Pouch

Replacement Tools and Blades are also available:

46020	46020	Punchdown Tool
46021	46021	Punchdown Tool with 66 Blade
46022	46022	66 Style Punchdown Blade
46024	46024	110 Style Punchdown Blade

Cable TV Coax Termination Kit



- Contains the tools and connectors necessary for installing a Cable TV system.
- 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
45466	45466	Cable TV Coax Termination Kit

Kit contents may be purchased separately:

45482	45482	Cable Cutter
45578	45578	Kwik Stripper® CATV Stripper, 2 Level Stripper for RG6, RG59, RG7, RG11
46801	46801	Kwik Cycle® 9" Crimp Frame with Die Set for F-style Connectors on RG6 and RG59 Cable
45516	45516	F Connector Insertion Tool
45324	45324	F-style Crimp-on Connectors for Quad-shield RG6 (Qty. 50)
45476	45476	Zipper Case

Cable TV Coax Termination and Test Kit



- Contains the tools, connectors and tester for installing and testing a Cable TV system.
- Cable TV tone test set uses both electromagnetic and electrostatic pickup to tone through splitters, directional couplers and taps.
- 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
45467	45467	Cable TV Coax Termination and Test Kit

Kit contents may be purchased separately:

45482	45482	Cable Cutter
45578	45578	Kwik Stripper® CATV Stripper, 2 level stripper for RG6, RG59, RG7, RG11
46801	46801	Kwik Cycle® 9" Crimp Frame with Die Set for F-style Connectors on RG6 and RG59 Cable
45516	45516	F Connector Insertion Tool
45323	45323	F-style Crimp-on Connectors for Quad-shield RG6 (Qty. 25)
402T	60376	Cable TV Tone Generator
402R	60377	Cable TV Tone Receiver
45477	45477	Zipper Case

Coax/Twisted Pair LAN Termination and Test Kit



- Provides the essential tools, connectors and testers necessary for maintaining a Local Area Network (LAN), twisted pair cabling and coax Ethernet (Thinnet) cabling.
- Durable Cordura Plus carrying 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
45468	45468	Coax/Twisted Pair LAN Termination and Test Kit

Kit contents may be purchased separately:

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
45577	45577	Kwik Stripper Coax Stripper, 3 Level
46800	46800	Kwik Cycle 9" Crimp Frame with Die Set for BNC-style Connectors on Thinnet RG8 Cable
45481	45481	Center Conductor Cutter for Coax Cable
AT8	08693	AdapToner Modular Breakout Tone Generator
200EP	08671	Inductive Amplifier Probe
45760	45760	Category 5 Connectors RJ45, 8-Position (Qty. 50)
45478	45478	Carrying Case

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 contents may be purchased separately:

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)
45751	45751	Flat Cable Connectors RJ12, 6-Position, 6-Conductor (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 contents may be purchased separately:

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

Professional Installation Kit



- Includes all the tools, connectors and testers for installing and maintaining most types of communications cabling including voice, data, cable TV and coax Ethernet networks.
- 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
45471	45471	Professional Installation Kit

Kit contents may be purchased separately:

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
AT8	08693	AdapToner Modular Breakout Tone Generator
200EP	08671	Inductive Amplifier Probe
PM-400K	11877	PairMapper® with Remotes 1-4
45577	45577	Kwik Stripper Coax Stripper, 3 Level
45040	45040	Kwik Stripper 2-Level Coax Cartridge
46801	46801	Kwik Cycle® 9" Crimp Frame with Die Set for F-style Connectors on RG6 and RG59 Cable
46824	46824	Kwik Cycle Die Set for BNC-style Coax Connectors on Thinnest RG58 Cable
45481	45481	Center Conductor Cutter for Coax Cable
45516	45516	F Connector Insertion Tool
45324	45324	F-style Crimp-on Connectors for Quad-shield RG6 (Qty. 50)
45760	45760	Category 5 Connectors RJ45, 8-Position (Qty. 50)
45751	45751	Flat Cable Connectors RJ12, 6-Position, 6-Conductor (Qty. 50)
45486	45486	Carrying Case

Telecom Technician Kit



- Contains all the essential tools and testers to install and maintain the voice network.
- Durable woven nylon pouch fits any belt up to 5" wide and keeps all the tools conveniently accessible.

CAT. NO.	UPC NO.	DESCRIPTION
45472	45472	Telecom Technician Kit

Kit contents may be purchased separately:

46023	46023	Punchdown Tool with 110 Blade
46022	46022	66 Style Punchdown Blade
PT-T02	08708	Electrician's Scissors
PT-T01	08707	Cable Splicer's Knife
77HP	08687	Tone Generator
200EP	08671	Inductive Amplifier Probe
PE930	60487	Telephone Test Set
750C	08685	Cabling Pouch

Communications

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Telecom Field Technician Kit



- Contains all the essential tools and testers to maintain a telecommunications network.
- Top quality digital multimeter and telephone test set make troubleshooting a voice network easy.
- DMM features an industry-leading lifetime warranty.
- Insulated screwdrivers protect the technician up to 10,000V.
- 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
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45473	45473	Telecom Field Technician Kit
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Kit contents may be purchased separately:

45482	45482	Cable Cutter
46023	46023	Punchdown Tool with 110 Blade
46022	46022	66 Style Punchdown Blade
PT-T02	08708	Electrician's Scissors
PT-T01	08707	Cable Splicer's Knife
77HP	08687	Tone Generator
200EP	08671	Inductive Amplifier Probe
PE930	60487	Telephone Test Set
46040	46040	TurTEL6 Modular Adapter and Polarity Tester
DM-800	07549	Digital Multimeter
46500	46500	Pocket-Light Flashlight
1955	06857	Wire Strippers/Cutter, 10-18 AWG Solid, 12-20 AWG Stranded
47439	47439	Screwdrivers, 6-piece Set.
45487	45487	Carrying Case

FIBER OPTIC KITS

Fiber Optic Hand Tools Kit



- Contains the most commonly used fiber optic termination tools in a durable Cordura® Plus zipper case.

CAT. NO.	UPC NO.	DESCRIPTION
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45655	45655	Fiber Optic Hand Tools Kit
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Kit contents may be purchased separately:

1955	06857	Pro-Plus Wire Stripper, 10-18 AWG
45589	45589	Fiber Optic Buffer Stripper
45593	45593	Carbide-tipped Scribe
45637	45637	Kwik Cycle® 8" Crimp Frame with 0.151", 0.178", 0.213" Hex Cavities
45651	45651	Fiber Optic Inspection Microscope
45599	45599	Stainless Steel Polishing Puck
45612	45612	Resilient Polishing Pad, 3" x 8" (7.6 x 203.2 mm)
45644	45644	Zipper Case

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
1955	06857	Pro-Plus Wire Stripper, 10-18 AWG
45589	45589	Fiber Optic Buffer Stripper
45593	45593	Carbide-Tipped Scribe
45637	45637	Kwik Cycle® 8" Crimp Frame with 0.151", 0.178", 0.213" Hex Cavities
45651	45651	Fiber Optic Inspection Microscope
45599	45599	Stainless Steel Polishing Puck
45612	45612	Resilient Polishing Pad, 3" x 8" (7.6 x 203.2 mm)
45639	45639	Carrying Case

Kit includes the following consumable items which are not sold separately:

50 Sheets Polishing Paper, 0.3 micron	100 Lint-free Wipes
50 Sheets Polishing Paper, 1 micron	10 Alcohol Wipes
50 Sheets Polishing Paper, 5 micron	1 Alcohol Bottle
10 ml (0.34 oz.) Opticure Adhesive	1 Water Bottle
26 ml (0.9 oz.) Opticure Primer	1 Fiber Debris Disposal Container
1 Pair Safety Glasses	10 Syringes
1 Plastic Utility Box	10 Needle Tips
1 Felt-tipped Marker	

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
PA4924	Ultimate Fiber Tool Kit

SPECIFICATIONS

Dimensions	10.5" W x 10.5" L x 9.5" D 267 mm W x 267 mm L x 241 mm D
Weight	5.65 lbs. (2.56 Kg)

ULTIMATE FIBER TOOL KIT INCLUDES

PA1511	R Kevlar® Cutter
PA1171	R ProGrip 5-in-1 Fiber Optic Stripper
PA1162	R Economy Fiber Optic Stripper
PA1161	R Adjustable Jacket Stripper
PA1820	R AM 25 Slitter
PA1821	R AM 35 Slitter
PA1258	R LC CST-mini Stripper
PA1600	R 1600 Series Crimp Frame
PA2044	R STII Type Die Set
PA2664	R SMA/SMB/FC/BICONIC Die Set
PA2668	R SC & ST Die Set
PA1922-1	R Fiber Optic Scribe
PA1920-1	R SC/ST/FC Polishing Puck
PA1926-1	R LC Polishing Puck
N/A	Plano® Tackle Box
PA4923	R Ultimate Tool Bag

FiberReady Tool Kit



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

CAT. NO.	DESCRIPTION
PA906001	FiberReady Tool Kit

SPECIFICATIONS	
Dimensions	11.7 "W x 8.2" L x 3.3" D 297 mm W x 208 mm L x 84 mm D
Weight	3.1 lbs. (1.41 Kg)

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

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

Communications

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