

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.

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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 BladeA.
- 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.

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

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 |



Round Cable Cutters



- 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.

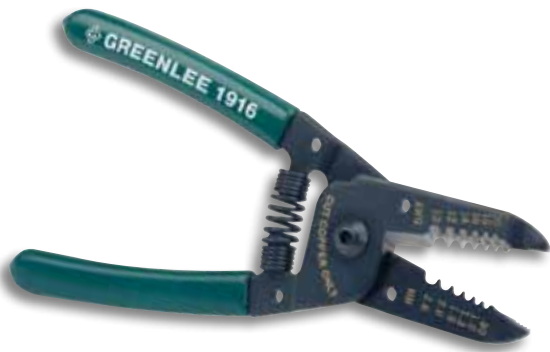
| CAT. NO. | DESCRIPTION |
|----------|--------------------------------|
| PA1933 | Snips & knife in leather pouch |
| PA1931 | Snips only |

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 mm2) |
| PA1118 | GripP 20 cutter/stripper (30-20 AWG/.05-.5 mm2) |
| 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.

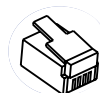
| CAT. NO. | DESCRIPTION |
|----------|-------------------|
| PA1181 | Flat Cable Cutter |

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) |

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 | R 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



PA2240



PA2241



PA2248

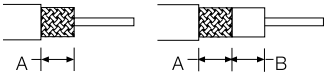


CST Pro Coax Stripper

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 | |

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

LC CST Strippers



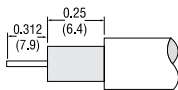
- Self-regulating tension.
- Adjust cutting depth on each blade for varying cable thicknesses with the included hex key.
- Pre-set for common strip lengths.
- Blades adjust for strip dimensions other than our standard pre-set units*.

| 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 |

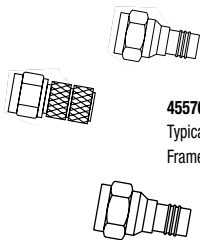
*To adjust strip lengths simply change blade locations in the lower jaw to attain the following: .157" (4 mm), .236" (6 mm), .315" (8 mm), .394" (10 mm) and .472" (12 mm)
Not recommended for use on LMR or Teflon cables.

Kwik Stripper Coax Stripper — 2 level and 3 level

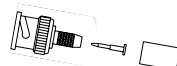


- Designed to provide precise, repeatable strips consistently.
- Prepares RG58, RG59, RG62, RG6 and many other types of coax cable.
- Strips braid and dielectric to 1/4" (6.4 mm).
- Blades are easily replaced in the field.
- Blade adjustment for cutting depth.
- Replaceable and interchangeable blade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

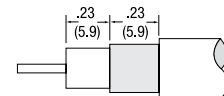
| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|---------------------------------------|
| 45576 | 45576 | Kwik Stripper Coax Stripper - 2 Level |
| 45577 | 45577 | Kwik Stripper Coax Stripper - 3 Level |
| 45040 | 45040 | R Cartridge - 2 Level |
| 45039 | 45039 | R Cartridge - 3 Level |



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.



Communications

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



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 |
|----------|---------|-------------|
|----------|---------|-------------|

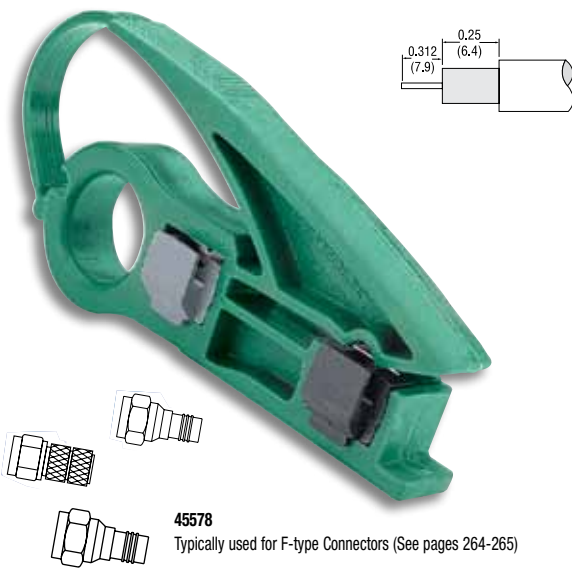
| | | |
|-------|-------|-------------------------------------|
| 45579 | 45579 | Kwik Stripper Twisted Pair Stripper |
|-------|-------|-------------------------------------|



45579

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

Kwik Stripper CATV Cable Stripper

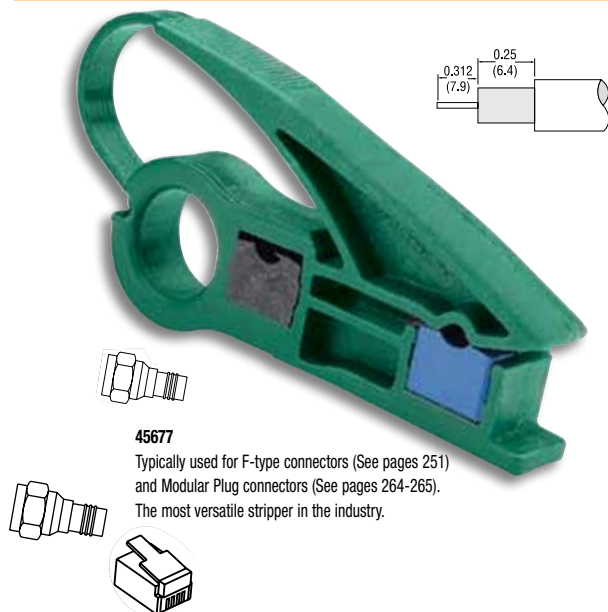


- Designed for the professional CATV cable installer, this stripper is perfect for high volume and uses replaceable stripping cartridges for RG6, RG59, RG11 and RG7 CATV cables.
- Pre-measured stops eliminate time-consuming measuring and trimming.
- No adjustments needed.
- Spare cartridge holder is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

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 |

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.

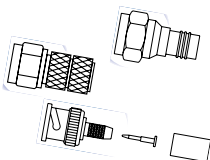
| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|-----------------------------|
| 1903 | 12679 | Pocket Cable Stripper |
| 07915 | 07915 | Ⓡ Cutting Blade (Pack of 2) |

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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|-----------------|
| PA1928 | Coax 3-Way Tool |
|--------|-----------------|

BNC Coax Multi-Tool



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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|--------|---------------------|
| PA1930 | BNC Coax Multi-Tool |
|--------|---------------------|

RG59/RG6/RG6 Quad Flaring Tool



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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|--------|------------------------|
| PA1917 | RG59/6/QS flaring tool |
|--------|------------------------|

BNC and CATV "F" Extraction Tools



PA1907

PA1908

PA1916

- 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|------------------|
| PA1908 | CATV 8" (203 mm) |
| PA1907 | BNC 8" (203 mm) |
| PA1916 | BNC 12" (305 mm) |

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|---------------|----------------------------|
| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|-----------------------------|
| PA1559 | SealTite® ProM Coax Crimper |
|--------|-----------------------------|

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|------------------|-----------------------------|
| 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 |
|----------|-------------|
|----------|-------------|

| | |
|----------|-------------------|
| PA901024 | SealTite® Crimper |
|----------|-------------------|

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|------------------|--------------------------|
| 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 |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|---------------------------|
| 60807 | 60807 | Compression Crimping Tool |
|-------|-------|---------------------------|



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 |

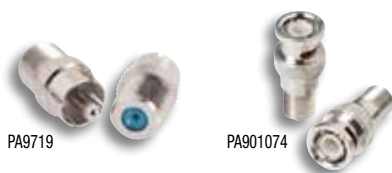
Push-On Cable TV "F" Connectors



- 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 | 45735 | 45735 | 45576 | 45576 | | |
| | | | 50/Pack | 45749 | 45749 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |
|  | 'F' Connector Crimp | RG59 | 10/Pack | 45734 | 45734 | 45576 | 45576 | 46801 | 46801 |
| | | | 50/Pack | 45748 | 45748 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |
|  | 'F' Connector Twist-on | RG6 | 10/Pack | 45327 | 45327 | 45576 | 45576 | | |
| | | | 50/Pack | 45328 | 45328 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |
|  | 'F' Connector Crimp | RG6 | 10/Pack | 45315 | 45315 | 45576 | 45576 | 46801 | 46801 |
| | | | 50/Pack | 45316 | 45316 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |
|  | 'F' Connector Crimp | RG59 Quad-shield | 10/Pack | 45321 | 45321 | 45576 | 45576 | 46801 | 46801 |
| | | | 50/Pack | 45322 | 45322 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |
|  | 'F' Connector Crimp | RG6 Quad-shield | 10/Pack | 45323 | 45323 | 45576 | 45576 | 46801 | 46801 |
| | | | 50/Pack | 45324 | 45324 | 45578 | 45578 | | |
| | | | | | | 45677 | 45677 | | |

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

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





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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|-------------------------|
| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|-----------------------------|
| PA9669 | 2-Way Satellite TV Splitter |
| PA9670 | 3-Way Satellite TV Splitter |
| PA9671 | 4-Way Satellite TV Splitter |

Satellite Diplexer



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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|--------|--------------------|
| PA9673 | Satellite Diplexer |
|--------|--------------------|

In-Line Amplifier



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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|--------|-------------------|
| PA9672 | In-Line Amplifier |
|--------|-------------------|



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.

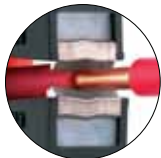
| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|--------------------------|
| VS1-2 | 46241 | 2-Way 1 GHz Splitter (1) |
| VS1-3 | 46242 | 3-Way 1 GHz Splitter (1) |
| VS1-4 | 46243 | 4-Way 1 GHz Splitter (1) |
| 45326 | 45326 | F-Terminator, 75 ohm (5) |

SPECIFICATIONS

| ELECTRICAL SPECIFICATIONS | Frequency - Range (MHz) | VS1-2, 2-Way | VS1-3, 3-Way | VS1-4, 4-Way |
|---------------------------|-------------------------|--------------|--------------|--------------|
| Insertion Loss | 5-47 | 3.6 | 4.0-7.2 | 7.5 |
| | 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 Loss In (min dB) | 5-47 | 15.0 | 15.0 | 15.0 |
| | 47-470 | 16.0 | 17.0 | 17.0 |
| | 470-750 | 15.0 | 15.0 | 15.0 |
| | 750-1000 | 15.0 | 15.0 | 15.0 |
| Return Loss Out (min dB) | 5-47 | 15.0 | 15.0 | 15.0 |
| | 47-470 | 16.0 | 17.0 | 17.0 |
| | 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 (min dB) | 47-470 | 21.0 | 21.0 | 21.0 |
| | 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

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



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.

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.

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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Fax: 800.451.2632

CANADA

Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247

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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 blade |
| PA4531 | Replacement Krone [®] -type blade |
| PA4535 | Replacement Krone [®] -LSA plus blade |

ProPunch™ 110 Multi-pair Punchdown



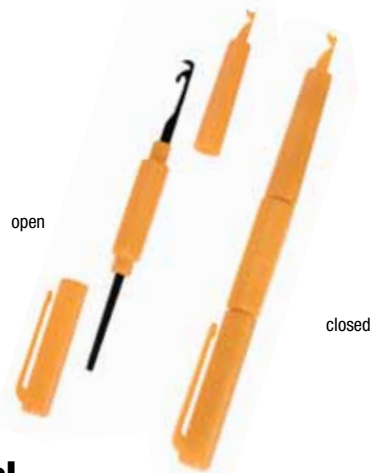
Terminates and cuts up to five pairs of data/voice cable at the same time! We designed it to perform over 30,000 cycle punches and to terminate most 23 AWG cable pairs in one punch! This tool delivers more than one and a half times the force of other multi-punchdown tools on the market today. The rugged “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) |

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

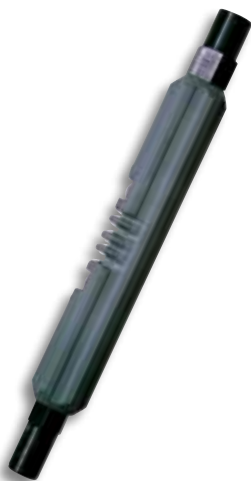
Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247



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- |
|----------|---------------------------------------|
|----------|---------------------------------------|

| | |
|--------|------------|
| PA1900 | Can Wrench |
|--------|------------|

| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|--------------------|
| PA1913 | Punchdown stripper |
|--------|--------------------|

| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|--------------------|
| 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.

Communications

USA

Tel: 800.435.0786
Fax: 800.451.2632

CANADA

Tel: 800.435.0786
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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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|---------------------------------|
| PA1561 | All-in-One UTP Snagless Crimper |
|--------|---------------------------------|

All-in-One Ultra Telephone Tools



PA901014

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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|----------|---|
| PA901014 | All-in-One Ultra Telephone Tool AMP (Tyco) |
| PA901016 | All-in-One Ultra Telephone Tool AMP (WE/SS) |
| PA2530 | Replacement blade kit |

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|--------|----------------|
| 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 |
|----------|-------------|
|----------|-------------|

| | |
|---------|---|
| PA1540 | All-in-One Pro Telephone Tool AMP (Tyco) |
| PA1530R | All-in-One Pro Telephone Tool AMP (WE/SS) |
| PA2530 | Replacement blade kit |

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

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



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 | 45737 | 45737 | 45480 | 45480 | 45504 w/die | 45504 w/die | 45575 | 45575 |
| | | 50/Pack | 45750 | 45750 | | | 45566 | 45566 | | |
| | | 100/Pack | 45770 | 45770 | | | | | | |
|  RJ11 6 Contact | Flat Cable Stranded Wire | 25/Pack | 45738 | 45738 | 45480 | 45480 | 45541 | 45541 | 45553 | 45553 |
| | | 50/Pack | 45751 | 45751 | | | | | 45575 | 45575 |
| | | 100/Pack | 45771 | 45771 | | | | | | |
|  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 | 45740 | 45740 | 45480 | 45480 | | | 45553 | 45553 |
| | | 50/Pack | 45753 | 45753 | | | | | 45575 | 45575 |
| | | 100/Pack | 45773 | 45773 | | | | | | |
|  Handset 4 Contact | Round Cable Solid Wire | 25/Pack | 45742 | 45742 | 45579 | 45579 | 45504 w/die | 45504 w/die | 45575 | 45575 |
| | | 50/Pack | 45755 | 45755 | | | 45566 | 45566 | | |
| | | 100/Pack | 45775 | 45775 | | | | | | |
|  RJ11 6 Contact | Round Cable Solid Wire | 25/Pack | 45743 | 45743 | 45579 | 45579 | 45541 | 45541 | 45553 | 45553 |
| | | 50/Pack | 45756 | 45756 | | | | | 45575 | 45575 |
| | | 100/Pack | 45776 | 45776 | | | | | | |
|  DEC MMJ 6 Contact | Round Cable Solid Wire | 25/Pack | 45744 | 45744 | 45579 | 45579 | | | 45553 | 45553 |
|  RJ45 8 Contact | Round Cable Solid Wire | 25/Pack | 45745 | 45745 | 45579 | 45579 | | | 45553 | 45553 |
| | | 50/Pack | 45758 | 45758 | | | | | 45575 | 45575 |
| | | 100/Pack | 45778 | 45778 | | | | | | |
|  RJ45 Cat 5 8 Contact (2 Piece) | Round Cable Solid Wire | 25/Pack | 45747 | 45747 | 45579 | 45579 | | | 45553 | 45553 |
| | | 50/Pack | 45760 | 45760 | | | | | 45575 | 45575 |
| | | 100/Pack | 45780 | 45780 | | | | | | |



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) | |

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

CrimpALL® Interchangeable Die Sets for Coaxial Connectors

| | DESCRIPTION | | CAT. NO. | CAT. NO.. | MANUFACTURERS OR REMARKS | |
|--|--|---|--|------------------|--------------------------|--|
| | CABLE TYPE | CONNECTION | | | | CRIMP SIZES |
| | 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 |

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

267

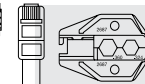


CrimpALL® Interchangeable Die Sets for Modular Plugs

Communications

| | DESCRIPTION | | | CAT. NO. | CAT. NO.. | MANUFACTURERS OR REMARKS |
|---|---|----------------------------------|---|------------------|-----------|--|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | | | |
|  |  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.. | MANUFACTURERS OR REMARKS |
|---|------------------------------------|---------------------------|--|------------------|-----------|--|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | | | |
|  | 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. |

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





CrimpALL® 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, 22-10 AWG (.34 - 6 mm ²) | 12-10 (Yellow), 16-14 (Blue), 22-18 (Red), (6-4 / 2.5 - 1.5 / .34 - .75 mm ²) | PA8021 PA1305 | PA2035 | For Large Professional Terminals (Panduit, T & B, etc.) |
| |  Insulated Terminals and Lugs | Solid or Stranded Wire, 22-12 AWG (.34 - 4 mm ²) | 12-10 (Yellow), 16-14 (Blue), 22-18 (Red), (4/1.5 - 2.5 / .34 - .75 mm ²) | PA8022 PA1308 | PA2040 | For Standard Commercial Terminals (Hardware Store Brands) |
| |  Insulated Terminals and Lugs | Solid or Stranded Wire, 26-14 AWG (.10 - 2.5 mm ²) | 16-14 (Blue), 22-18 (Red), 22-26 (Yellow) (1.5 - 2.5 / .34 - .75 / .34 - .10 mm ²) | PA8023 PA1334 | PA2029 | For Smaller Wire Barrel Terminals |



CrimpALL® Interchangeable Die Sets for Non-Insulated Terminal Crimpers

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

CrimpALL® 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, 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 |

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



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.. | |
|--|--|--------------------------|--|---------------|-----------|---|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | TOOL WITH DIE | DIE ONLY | MANUFACTURERS OR REMARKS |
| | 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 |


1600 Series Interchangeable Die Sets for Insulated Terminal Crimpers

| | DESCRIPTION | | | CAT. NO. | CAT. NO.. | MANUFACTURERS OR REMARKS |
|---|------------------------------|--|--|---------------|-----------|-----------------------------------|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | TOOL WITH DIE | DIE ONLY | |
|  | 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.. | MANUFACTURERS OR REMARKS |
|---|----------------------------------|---|--|---------------|-----------|-----------------------------------|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | TOOL WITH DIE | DIE ONLY | |
|  | 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.. | MANUFACTURERS OR REMARKS |
|---|---------------------------|--|---|---------------|-----------|---------------------------------|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | TOOL WITH DIE | DIE ONLY | |
|  | 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.. | MANUFACTURERS OR REMARKS |
|---|---|---|--|---------------|-----------|----------------------------------|
| | CABLE TYPE | CONNECTION | CRIMP SIZES | TOOL WITH DIE | DIE ONLY | |
|  | 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.



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 | 18V 1.5 Ah Li-ion |
| 25752 | 25752 | Carrying Case |
| 52178 | 52178 | 120V Charger |
| 52179 | 52179 | 12V Charger |
| 52180 | 52180 | 230V Charger |

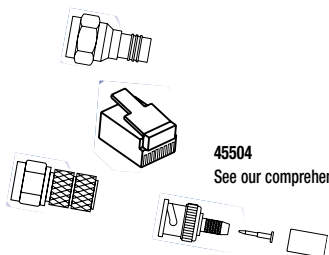
Kwik Cycle[®] 9" Crimp Frame



- 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 |
|-------|-------|---------------------------|



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 | | | | | |
| | CABLE TYPE | CONNECTION | | | | | | | | | | | |
| | RG58/59/ RG59TFE/66 | BNC/TNC Cambridge/ AIM, 2-piece | | | | | | | | | | 45562 | 45562 |
| | Belden 1694A | BNC/TNC | | | | | | | | | | 45563 | 45563 |
| | RG22B/U Twinax & others | Twinax | | | | | | | | | | 45574 | 45574 |
| | RG58/174/8218 | BNC/TNC 50 and 75 OHM | | | | | | | | | | 46826 | 46826 |
| | RG6/59 & 8281 | BNC/TNC & F, 50 and 75 OHM. Also 1695, 1505, 9259 and 9231 | | | | | | | | 45545 | 45545 | 46830 | 46830 |
| | RG58/59/62AU | 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
Fax: 800.451.2632

CANADA


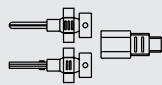
Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL




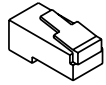






Tel: +1.815.397.7070
Fax: +1.815.397.9247



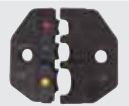
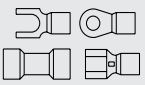

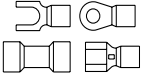

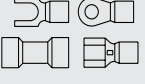

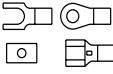
Kwik Cycle® 9" Interchangeable Die Sets for Open Barrel Contacts System

| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|----------|
| PA1873 | Heat gun |
|--------|----------|

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|---------------------|-----------------|
| 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 | R Standard replacement tip |

Cable Tie Gun



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

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

| | |
|----------|---------------|
| PA1828-1 | Cable tie gun |
|----------|---------------|

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

Kwik Cycle® Cable Tie Guns



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

| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|--------------------------|
| 45306 | 45306 | Standard Cable Tie Gun |
| 45300 | 45300 | Heavy-Duty Cable Tie Gun |



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 |
|----------|-----------------------|
| PA1511 | Economy Kevlar Cutter |

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

SPECIFICATIONS

| | |
|--------|----------------|
| 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 |
|----------|------------------------------|
| PA1162 | Economy Fiber Optic Stripper |

SPECIFICATIONS

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

Communications

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



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) |

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 |
|----------|---------------------------|
| PA1920-1 | SC, ST, FC Polishing Puck |
| PA1926-1 | LC Polishing Puck |

SPECIFICATIONS

| | |
|--------|----------------|
| 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 |
|----------|---------|---------------------------------------|
| 45598 | 45598 | Fiber Optic Co-Polymer Polishing Puck |

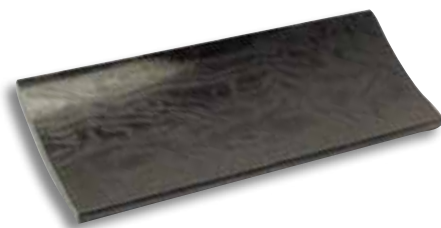
Fiber Optic Stainless Steel Polishing Puck



- 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 |
|----------|---------|--|
| 45599 | 45599 | Fiber Optic Stainless Steel Polishing Puck |

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 |
|----------|---------|---------------------------|
| 45612 | 45612 | Fiber Optic Polishing Pad |



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 |

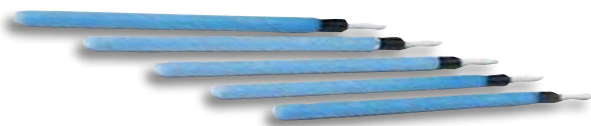
Connector Cleaning Systems



- 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 |



Professional GX Series Tone Generators



77GX

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

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

Note: Not for use on energized AC wiring

AdapToner Modular Breakout Tone Generator



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

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

Note: Not for use on energized AC wiring

LAN Toner with HUB Blink and Detect



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

| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|------|-------|-----------|
| AT8L | 60583 | LAN Toner |
|------|-------|-----------|

Note: Not for use on energized AC wiring

Tone Test Set



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

| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|---|
| 600LS | 08680 | Tone Test Set |
| 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 Impedence | 3,500 ohms minimum, 25kHz to 1.1 MHz |

Mechanical

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

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

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



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
Fax: 800.451.2632

CANADA

Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL

Tel: +1.815.397.7070
Fax: +1.815.397.9247



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 |

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 | <table border="0"> <tr> <td>Display LCD</td> <td>Dot Pixels: 128 x 128 dots</td> </tr> <tr> <td>Viewing Area</td> <td>60.0 x 58.4</td> </tr> <tr> <td>Backlight</td> <td>White LED</td> </tr> <tr> <td>Buttons</td> <td>LCD touch-screen, Single momentary contact push button</td> </tr> </table> | 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 |
| 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 | <table border="0"> <tr> <td>Operating Temperature</td> <td>0°C to 50°C</td> </tr> <tr> <td>Storage Temperature</td> <td>-20°C to 70°C</td> </tr> </table> | Operating Temperature | 0°C to 50°C | Storage Temperature | -20°C to 70°C | | | | |
| Operating Temperature | 0°C to 50°C | | | | | | | | |
| Storage Temperature | -20°C to 70°C | | | | | | | | |
| Interface | RJ45 shielded jacks | | | | | | | | |
| Connections | F-type threaded female coaxial connectors | | | | | | | | |
| TDR | User selectable based on a known cable length. | | | | | | | | |
| Calibration | 40% to 100% in steps of 1% | | | | | | | | |
| TDR Range | 0 to 2000 ft. - | | | | | | | | |
| Resolution | 1 ft. (0.3 m) | | | | | | | | |
| Accuracy to Open/Short | ±4% or 2 ft. (0.6 m) whichever is greater | | | | | | | | |
| Remote Identifier | 2000 ft. (609.6 meters) maximum distance | | | | | | | | |
| Wiremap | 358 ft (100 meters) maximum distance | | | | | | | | |



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

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 |
|---------|-------|-------------------------|

Communications

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



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 FLP link pulse.
- Identify data & link transmission speeds with real time detection: 100/10 MB.
- Automatically scans with choice of slow or fast speeds.
- Low battery detection on LAN ID tester.
- Includes 9V battery, 2 RJ45 patch cords and durable nylon carrying case with belt loop.

CAT. NO. DESCRIPTION

| | |
|--------|-------------------------------|
| PA1576 | Data/Link ID and Cable-Check™ |
|--------|-------------------------------|

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

LAN Cable-Check™



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

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

LAN and A/V Cable-Check™



Network

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

Coax

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

Features and Benefits:

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

Includes:

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

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

PC Cable-Check® PRO



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

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



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 | ✓ | ✓ | ✓ |

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, pulse 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 |  Belt Clip |

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

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




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 |



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 |

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 |

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

301



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 |
| 1155-5005 | 13048 | Kit, SK Plus with Impulse Noise & Step TDR |
| 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 | Case |
| 1131-0202 | 60751 | 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 |



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 | 577.5Hz pulsed at 1Hz, crystal controlled |
| Frequency | |
| 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. (1kg).
- 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).

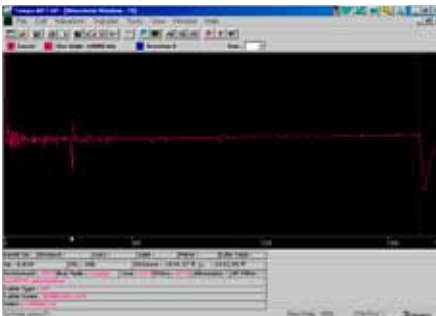
Non-Operating: 12° F to 92°F (-20° C to +60° C).

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.

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

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 | <5 | <5 | <5 |
| Output Power | >-10 dBm | >-10 dBm | >-10 dBm | >-10 dBm | >-10 dBm | >-10 dBm |
| Output Stability | ±0.15dB/ 8 hours | ±0.15dB 8 hours | ±0.15dB/ 8 hours | ±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 | |



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

| | |
|-------------------------------|--|
| Detector 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 |

850/1300nm LED Source



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 |

- 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 |
|----------|---------|--------------------------------------|
| 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 |

1310/1550nm Laser Source



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 |

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

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

SPECIFICATIONS

OPTICAL

| Center Wavelengths | 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 |



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 (± 20 nm) | 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

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

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 Cleaner 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 (\pm 20nm) | 1310/1550 | 1310/1550/1625 | 1310/1490/1550 |
| Dynamic Range (dB) | 35 | 38 | 38 |
| Event deadzone (m) | 2.5 | 1.5 | 2.5 |
| Attenuation Deadzone (m) | 14 | 10 | 14 |
| Emitter Type | Laser | | |
| Pulsewidth (ns) | 5, 10, 30, 100, 300, 1 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

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

315



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 |

| CAT. NO. | UPC NO. | DESCRIPTION |
|-------------------------------------|---------|--|
| 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

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

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 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 |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|---|
| 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 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 |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|---|
| 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/adaptor 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) |

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/adaptor 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) adaptor (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/adaptor 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/adaptor 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

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 |

900B
Instruments and accessories
not included

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)



Fiber Optic Instrument Adapters – SOC and UCI

| CONNECTOR TYPE | SOC ADAPTER | | UPI-PC ADAPTER | | |
|-----------------------------|-------------|----------|----------------|-------------------------------|---------------|
| | DESCRIPTION | 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.

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

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

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



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 | ≤ 0.25µm (SM) and ≤ 3µm (MM) |
| Eccentricity | |
| 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 | |
| ST-PC to ST-PC | 563K-101 | 60661 | ST-PC to ST-PC | 563K-105 | 60662 | 562K-106 | 60660 |
| SC-PC to SC-PC | 566K-101 | 60664 | SC-PC to SC-PC | 566K-105 | 60665 | 563K-106 | 60663 |
| 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-LM5 | 60734 | 57LC-LM6 | 60735 |
| FC-PC to LC-PC | 57LC-LSM | 60733 | FC-PC to MU-PC | 57MU-LM5 | 60737 | 57MU-LM6 | 60738 |
| FC-PC to MU-PC | 57MU-LFM | 60736 | | | | | |



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 MO-PC connectors.

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



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.

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) |

| 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 |

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) | Depth Resolution | ±(10% reading + 0.2 ft.) 0.1 ft. increments |
| Frequency | 33.3kHz | Passive Trace Frequency | 12Hz-24kHz |
| Operating Temperature | 0°F to 120°F (-17°C to 50°C) | Operating Temperature | 0°F to 120°F (-17°C to 50°C) |
| Size | 7.5" x 4" x 2.1" (190.5 mm x 101.6 mm x 53 mm) | Size | 4.1" x 8.5" x 38" (104.1 mm x 215.9 mm x 965.2 mm) |
| Power | 6 VDC (4 AA batteries) | Power | 6 VDC (4 AA batteries) |
| Weight | 15 oz. (425 g) (with batteries and clamp) | Weight | 1 lb. 12 oz. (794 g) |

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

Pulser Fault Locator



PE2003
Great complement to any buried line cable locator.

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

SPECIFICATIONS

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

| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|----------------------------------|
| PE2003 | 08666 | Pulser |
| 2000H | 60357 | Transmitter (Includes CH1 & CH2) |
| 2000R | 60358 | Receiver |
| AF2 | 60482 | A-Frame |
| CH1 | 60360 | AC Charger |
| CH2 | 60361 | 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 | Transmitter |
| 508SR | 60364 | Receiver |
| CS14 | 60366 | Alligator Clip Cord set |
| CS15 | 60367 | 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.

| CAT. NO. | UPC NO. | DESCRIPTION |
|----------|---------|------------------------|
| 521A | 86788 | Wire and Valve Locator |
| 521T | 60368 | Transmitter |
| 521R | 60352 | Receiver |
| HS1 | 08695 | Headset |
| GS1 | 60362 | Ground Stake |

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 |

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

Tel: 800.435.0786
Fax: 800.524.2653

INTERNATIONAL

Tel: +1.815.397.7070
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 | | | | ✓ | |

Ultimate Technician Kit



| CAT. NO. | DESCRIPTION |
|----------|-------------------------|
| PA4932 | Ultimate Technician Kit |

SPECIFICATIONS

| | |
|-------------------|---|
| 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 |
|----------|------------------------------|
| PA4933 | Ultimate Premise Service Kit |

SPECIFICATIONS

| | |
|-------------------|---|
| 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" |



Ultimate Coax Compression Tool Kit



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

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 |

| 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) |

Ultimate DataReady® Pro Kit



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

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 |

| 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) |

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

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) |

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



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) |

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 | Data SureStrip® UTP/STP Cutter/Stripper |
| PA1931 | Datacomm Scissors |
| PA3570 | SurePunch® Pro Punchdown Tool |
| PA4528 | 110 Reversible blade |
| PA1561 | All-in-One Phone/Data Crimp Tool |
| PA6500 | PT-510 PowerPlay™ 18-Tools-in-One |
| PA9520 | (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 | Data SureStrip® UTP/STP Cutter/Stripper |
| PA1931 | Datacomm Scissors |
| PA3570 | SurePunch® Pro Punchdown Tool |
| PA4528 | 110 Reversible blade |
| PA1561 | All-in-One Phone/Data Crimp Tool |
| PA9520 | (10) RJ45 Cat5e Modular Plugs |
| PA9654 | (50) RJ11 Modular Plugs |
| N/A | Compact Zipper Case |



DataReady™ Pro Kit



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

| CAT. NO. | DESCRIPTION |
|-----------|-----------------------------|
| 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)

Communications

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)

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

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

Die Sets:

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

* Replaced with LC CST-58/59 coax stripper PA1255

** Replaced with RJ45 AMP-style & RG58/59 BNC/TNC dies PA2034, PA2064, PA2065

*** Replaced with BIX or Krone blade #PA4575 (only with PA9010391 Kit)

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 | Data SureStrip® UTP/STP & flat satin cutter/stripper |
| PA1556 | All-in-One Phone/Data Crimper |
| PA3580 | 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|---------------|
| PA4918 | Basic LAN Kit |
|--------|---------------|

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|--------|--------------------|
| Weight | 1.85 lbs. (.85 Kg) |
|--------|--------------------|

| BASIC LAN KIT INCLUDES | |
|------------------------|--|
|------------------------|--|

| | |
|--------|--|
| 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 |
|----------|-------------|
|----------|-------------|

| | |
|--------|---------------------|
| PA4909 | Network Tool Bundle |
|--------|---------------------|

| SPECIFICATIONS | |
|----------------|--|
|----------------|--|

| | |
|------------|--|
| Dimensions | 9.86" H x 9.25" W x 1.52" D 250 mm H x 235 mm W x 38.6 mm D |
|------------|--|

| | |
|--------|-----------------|
| Weight | 18.4 oz. (39 g) |
|--------|-----------------|

| PA4909 NETWORK TOOL BUNDLE INCLUDES | |
|-------------------------------------|--|
|-------------------------------------|--|

| | |
|--------|--|
| 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 |
|----------|----------------------|
| PA4370 | Computer service kit |

SPECIFICATIONS

| | |
|------------|--|
| 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 |
|----------|-----------------------------------|
| PA4336 | Cordless screwdriver & socket set |
| PA6000 | Replacement battery) |
| PA6001 | Battery Charger |

SPECIFICATIONS

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

* Not for use on precision torque screw requirements.



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

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



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 |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|------------------------------|
| 45473 | 45473 | Telecom Field Technician Kit |
|-------|-------|------------------------------|

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 |
|----------|---------|-------------|
|----------|---------|-------------|

| | | |
|-------|-------|----------------------------|
| 45655 | 45655 | Fiber Optic Hand Tools Kit |
|-------|-------|----------------------------|

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.