QUALITY
DURABILITY
TRADITION

VOICE
DATA
VIDEO

There With You[SM]
faster • safer • easier

"Greenlee tools definitely stand the test of time."

TOM ST. VRAIN
Electrician/Journeyman Wireman

Premium brands known for time-tested reliability in the voice, data and video fields have come together as Tempo...

...bringing you a complete line of industry-leading tools, testers and network certification instruments for copper and fiber installation.

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Knowledge. Solutions. Success.

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Test equipment for the telecom industry

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Complete line of voice/data/video installation tools

PROGRESSIVE® ELECTRONICS

Leading provider of tone generators, probes and telephone test sets

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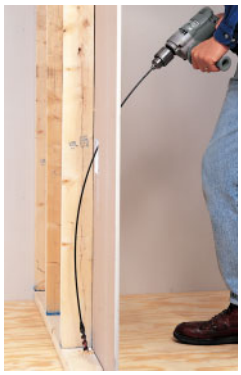
DATACOM

Network certification instruments for copper/fiber

RIFOCS
CORPORATION

Fiber optic test equipment

D'VERSIBIT® System



A new twist to an old problem.
These flexible steel drill bits are the right tools for installing wire or cable inside existing walls.

It bends to meet your needs!
Fishing wire or cable through existing walls used to be frustrating and time-consuming, but the D'VersiBIT® has made it as simple as bowing the spring steel shaft in the direction you want to drill and turning on the power. Proven in the field to deliver accurate and professional results in many applications. Bits range from 3/16" to 1" (4.8 to 25.4 mm) in diameter and in shaft length from 12" to 72" (304.8 to 1828.8 mm).

The D'VersiBIT® System makes it possible to easily accomplish even complex installations. This patented system attaches a quality drill bit to a long flexible spring steel shaft. When used with the Placement Tool, this flexibility makes it possible to easily manipulate the bit within walls. After drilling, attach a D'VersiGRIP to the hole in the drill and pull wire or cable back through the wall.

Placement Tool

- Allows placement of the drill bit at any point within the wall.
- Helpful in judging where the bit will be during drilling to avoid accidentally drilling through the wall.
- Useful for vertical and horizontal placements.

CAT. NO.	UPC NO.	DESCRIPTION
712P	38350	D'VersiBIT® Placement Tool

Wire and Cable Pulling Grips

- Clip attaches to hole in bit, mesh basket holds wire or cable during recovery, swivel reduces twisting.
- For use with bit 3/8" (9.5 mm) diameter or larger.
- A variety of sizes for pulling wire and cable.

CAT. NO.	UPC NO.	DESCRIPTION
125	38691	D'VersiGRIP for pulling single wire with 3/8" to 1/2" (9.5 mm to 12.7 mm) bits.
150	38692	D'VersiGRIP for pulling 1/2" (12.7 mm) OD wire with 1/2" to 9/16" (12.7 to 14.3 mm) bits.
168	38693	D'VersiGRIP for pulling 3/4" (19.1 mm) OD wire with 3/4" to 1" (19.2 to 25.4 mm) bits.

Type M, Masonry

- For drilling in masonry walls and through plaster.
- Recommended for use with Abrasion Shield to reduce friction and abrasion as the shaft turns against masonry.

Type HS High Speed Steel

- Designed for aggressive cutting in all types of wood.
- High speed bit head ensures longer life.
- Replaces Bellhanger drills on 12", 18" and 24" lengths.

Type A, Auger

- Wood-type auger bit with screw point.
- Pulls itself through wood, avoids walking or skidding.
- Excellent for drilling in soft woods or through thin sections.
- Slow back-taper allows for easy retrieval.

Type B, Combination with Screw Point

- For aggressive chip removal in many types of woods.
- Screw point for easy starting and pulling through wood.
- With screw point removed, this bit can be ground to function like a standard combination bit.

Type C, Combination

- For drilling in tough woods and thick obstacles.
- Drilling speed relative to pressure applied.
- Chips can be brought easily out of the hole.

BIT DIA. INCH (mm)	SHAFT LENGTH		SHAFT DIA.		TYPE A AUGER		TYPE B COMBINATION WITH SCREW POINT		TYPE C COMBINATION	
COLOR CODE	INCH	mm	INCH	mm	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
3/8"	36	914.4	3/16	4.8	06-03-36A	38067	06-03-36B	38092	06-03-36C	38117
(9.5 mm)	54	1371.6	3/16	4.8	06-03-54A	38068	06-03-54B	38093	06-03-54C	38118
Black	72	1828.8	3/16	4.8	06-03-72A	38069	06-03-72B	38094	06-03-72C	38119
9/16"	36	914.4	3/16	4.8	09-03-36A	38077	09-03-36B	38102	—	—
(14.3 mm)	54	1371.6	3/16	4.8	09-03-54A	38078	09-03-54B	38103	09-03-54C	38128
Orange	72	1828.8	3/16	4.8	09-03-72A	38079	09-03-72B	38104	09-03-72C	38129
3/4"	36	914.4	1/4	6.4	12-04-36A	38082	—	—	—	—
(19.1 mm)	54	1371.6	1/4	6.4	12-04-54A	38083	—	—	12-04-54C	38133
Red	72	1828.8	1/4	6.4	12-04-72A	38084	—	—	12-04-72C	38134

For a complete listing of D'VersiBIT® extensions and accessories, see page 55 to 57.

CableCaster®

Significantly speeds up the installation of lightweight communications cable through hard-to-reach spaces such as suspended ceilings, rafters and sub-floors.

- 50' (15 m) range allows for faster installations with fewer pulls.
- Bright yellow body reduces chances of leaving the CableCaster behind.
- Glow-in-the-dark darts minimize replacement costs because they are easy to locate.
- Aerodynamic darts provide high accuracy and fast installation.
- Optional flashlight improves visibility.

CAT. NO.	UPC NO.	DESCRIPTION
06186	06186	CableCaster Wire Pulling Tool with Three Darts
06259	06259	CableCaster Replacement Darts (Pack of Four)
46500	46500	Pocket-light Flashlight

POCKET-LIGHT Flashlight

- High intensity Xenon fired lamp.
- Luminous tip so flashlight can be located in the dark.
- Submersible to 500 feet.
- Dust and rust proof.
- Batteries included.
- Lifetime limited warranty.

CAT. NO.	UPC NO.	DESCRIPTION
46500	46500	Pocket-Light Flashlight
46533	46533	Lamp Module
46534	46534	O-Ring

MINI POCKET LIGHT Flashlight

- High intensity Xenon fired lamp.
- Submersible to 500 feet.
- Dust and rust proof.
- Compact pocket and key chain light.
- Includes key ring and handy hat/clothing clip.
- Batteries included.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
46503	46503	Mini Pocket Light Flashlight
46533	46533	Lamp Module
46534	46534	O-Ring

EZ Reach Fish Tape

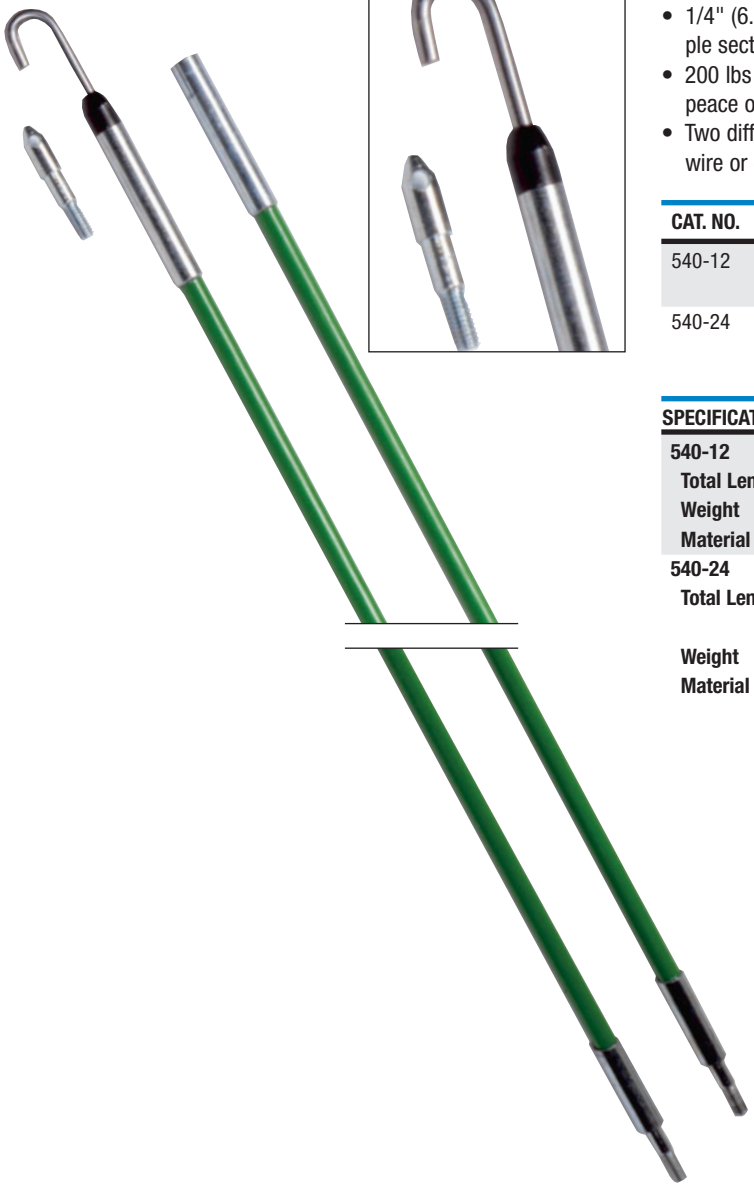
- Flat steel tape reaches easily above ceilings, under carpets, and through walls to install wire.
- 25' (7.6 m) long, extending your reach where a traditional fish tape can't.
- Winder case with crank handle for easy compact storage.

CAT. NO.	UPC NO.	DESCRIPTION
438-2X	01696	25' EZ Reach Tape

SPECIFICATION

Dimensions	Steel tape 25' (7.6 m) long X 1/4" (6.4 mm) wide X .030 (.8 mm) thick.

EZ Reach Fish Stix



- High visible green color rods can be easily threaded together and seen when working above ceilings, down walls, or under raised floors.
- 1/4" (6.4 mm) diameter fiberglass rods provide added rigidity when multiple sections are connected.
- 200 lbs (0.9 kN) minimum pulling strength for long lasting durability and peace of mind.
- Two different threaded tips available to accommodate various bundles of wire or cable.

CAT. NO.	UPC NO.	DESCRIPTION
540-12	10504	EZ Reach™ Stix 12' (3.6 m) kit with bullet nose and "J" hook threaded tips, packaged in clear plastic tube.
540-24	10506	EZ Reach™ Stix 24' (7.3 m) kit with bullet nose and "J" hook threaded tips, packaged in clear plastic tube.

SPECIFICATION

540-12	
Total Length	12' (3.6 m) – (3) 4' (1.2 mm) sections
Weight	1.04 lbs. (.5 kg)
Material	1/4" (6.4 mm) dia. fiberglass rod
540-24	
Total Length	24' (7.3 m) (3) 6' (1.8 mm) and (2) 3' (.9 m) sections
Weight	1.94 lbs. (.9 kg)
Material	1/4" (6.4 mm) dia. fiberglass rod

Clear Lube

LISTED

- Designed for use within electrical or datacom cable pulls.
- Clear and colorless for quick, easy clean-up.
- Excellent lubricity for fast pulls (.27-.29 COF).
- Environmentally safe, non-hazardous, non-toxic and non-corrosive.
- Easy to apply either by hand, brush or pump.

CAT. NO.	UPC NO.	DESCRIPTION
CLR-Q	10437	Clear Lube pulling lubricant, 1 quart (.95 l)
CLR-1	10438	Clear Lube pulling lubricant, 1 gallon (3.79 l)
CLR-5	10439	Clear Lube pulling lubricant, 5 gallon (18.93 l)

SPECIFICATIONS

Temperature Range	Remains stable over a wide range of temperatures, 20° F to 190° F (-6° C to 88° C)
Polymer base with no silicon additives.	
Average coefficient of friction (IEEE, 375-2 test procedure), .27 in PVC and .29 in EMT.	
Three-year shelf life with no deterioration in lubricant.	

Fiber-Gel™ Cable Pulling Lubricant

- Synthetic gel is specially designed for lightweight fast pulling of fiber optic cables.
- Compatible with all cable jackets.
- Cleans up easily.
- Environmentally safe.
- Operating range from 32° - 190° F (0°C - 88°C).
- Compatible with pre-lubricated innerducts.
- Dries slowly and leaves a long lasting lubricating film.

CAT. NO.	UPC NO.	DESCRIPTION
FIBR-Q	02040	Fiber-Gel™ One Quart Squeeze Bottle (.95 l)
FIBR-1	02041	Fiber-Gel™ One Gallon (3.79 l)
FIBR-5	02045	Fiber-Gel™ 5 Gallons (18.93 l)

SPECIFICATIONS

Weight	FIBR-Q – 2.3 lbs. (1 kg) FIBR-1 – 8.5 lbs. (3.9 kg) FIBR-5 – 45 lbs. (20.4 kg)	**Viscosity** **PH Range**	2,000 - 3,000 CPS 7.0 - 8.0

Poly Line

- Ready-to-use, pre-punched hole in lid with resealable cap.
- Use with power fishing systems directly from the container.
- Resists tangling when dispensing.
- Rot and mildew resistant.
- Handy reusable plastic dispenser pail with handle keeps the line dry.
- Use to pull rope through conduit.

CAT. NO.	UPC NO.	DESCRIPTION
430	21481	Poly Line 6500' (1981 m)
431	21482	Poly Line 5200' (1585 m)
37959	37959	Poly Line 2200' (670 m)
430R	37835	Poly Line Refill 6500' (1981 m)

SPECIFICATIONS

Size	430	– 6500' (1981 m), 431 – 5200' (1585 m), 37959 – 2200' (670 m)
Capacity	430	– 210 lbs. (934 N) average breaking strength
	431	– 240 lbs. (1 kN) average breaking strength
	37959	– 500 lbs. (2.2 kN) average breaking strength
Weight	430	– 11 lbs. (5 kg), 431 – 12 lbs. (5.4 kg)

Wire Cutter, 30-10 AWG

Cuts 30-10 AWG (0.08-6 mm²) copper wire.

- Small, economical wire cutter fits in any tool belt.
- Cushioned-grip vinyl handle for comfortable use.
- Heat-treated for long life.
- Stamped and precision ground from high-carbon tool steel.
- Return spring.
- Pivot joints have hardened steel bushings.
- Rust-resistant black oxide finish.

CAT. NO.	UPC NO.	DESCRIPTION
1915	31892	Wire Cutter, 30-10 AWG

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, 8 AWG

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 the USA.

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

Cable Splicer's Knife and Electrician's Scissors

PT-K01

PT-T01

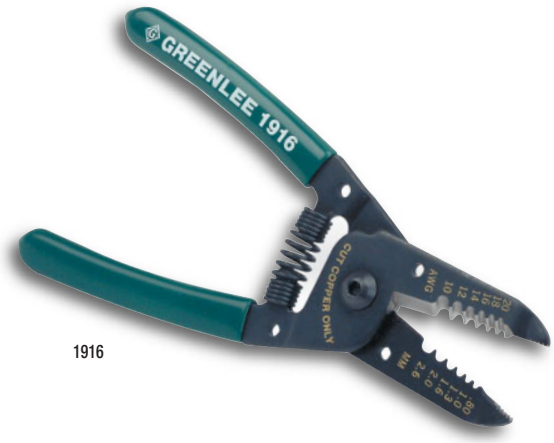
PT-T02

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 Scissors
PT-C01	08702	Two-Pocket Leather Pouch

The TERMINATORS® Wire Strippers/Cutter



1916

- 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.) Stranded Wire
1918	31889	30-22 AWG (0.25 to 0.64 mm dia.) Solid Wire

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

Kwik Stripper™ Flat Telephone Cable Cutter/Stripper

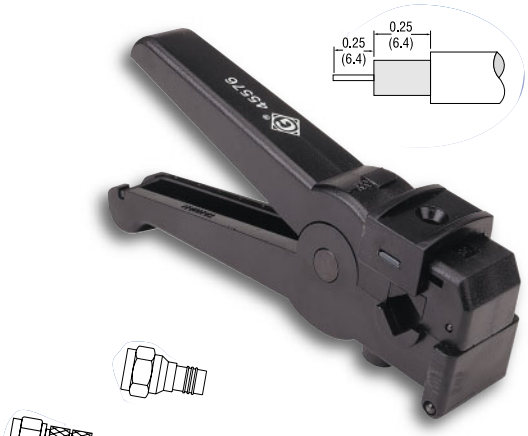
Designed to cut and strip flat modular telephone cables (Silver Satin).

- 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.

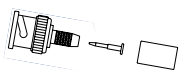
CAT. NO.	UPC NO.	DESCRIPTION
45480	45480	KWIK STRIPPER Flat Telephone Cable Cutter/Stripper

45480
Typically used for Modular Plug Connectors (See page 208).

Kwik Stripper™ Coax Stripper – 2 Level and 3 Level



45576 2 Level
Typically used for F-type connectors (See page 210).
Frame accepts only 2 level cartridges.



45577 3 Level
Typically used for BNC-type connectors (See page 209).
Frame accepts both 2 and 3 level cartridges.

- 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	Replacement Cartridge – 2 Level
45039	45039	Replacement Cartridge – 3 Level

Kwik Stripper™ Twisted Pair Stripper

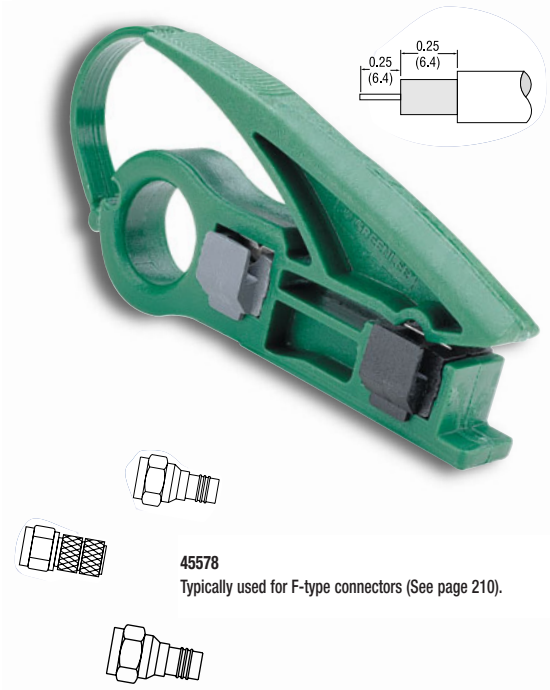
No tool is better for trimming the jacket from twisted pair cable without damaging the individual conductors.

- 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 page 208).

Kwik Stripper™ CATV Cable Stripper



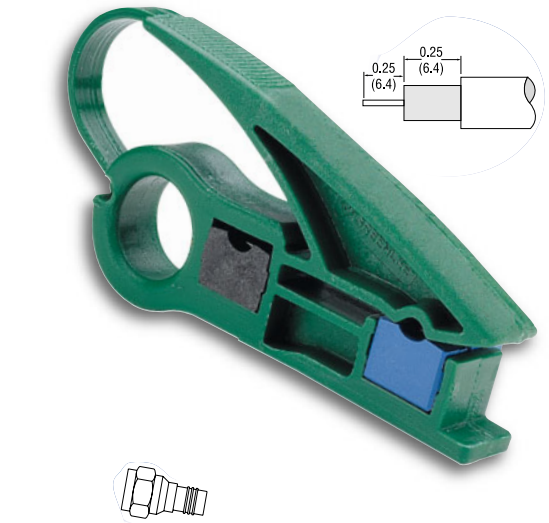
45578
Typically used for F-type connectors (See page 210).

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	Replacement Cartridge RG6/RG59
45581	45581	Replacement Cartridge RG11/RG7

Kwik Stripper™ CATV/UTP Stripper



45677
Typically used for F-type connectors (See page 210).
The most versatile stripper in the industry.

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; yellow 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	Replacement Cartridge UTP
45580	45580	Replacement Cartridge RG6/RG59
45581	45581	Replacement Cartridge RG11/RG7

45579
Typically used for Modular Plug Connectors (See page 208).

Pocket Cable Stripper

Specifically designed for stripping power and telecommunications cables from 3/16" to 1-1/8" in diameter (4.5 mm to 29 mm).

- Easy blade depth adjustment.
- 90° blade rotation allows longitudinal, circular and spiral slitting of insulation.

CAT. NO.	UPC NO.	DESCRIPTION
1900	45824	Pocket Cable Stripper
07915	07915	Replacement Cutting Blade

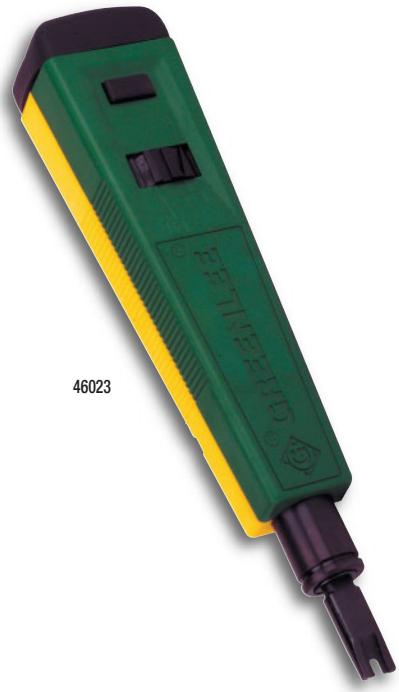
Pocket Cable Stripper

Specifically designed for stripping power and telecommunications cables from 3/4" to 1-1/2" in diameter (19 mm to 40 mm).

- Strips solid conductor, stranded conductor and multiple conductor cables.
- Easy blade depth adjustment.
- Blade rotates for circular, longitudinal and spiral cuts.

CAT. NO.	UPC NO.	DESCRIPTION
1901	45823	Pocket Cable Stripper
07915	07915	Replacement Cutting Blade

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

46025

46026

- 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

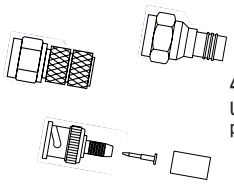
Our Clip-On Twisted Pair Kit comes with all the tools necessary for terminating voice and data cable including a Punchdown Tool with 110 blade.
See page 232 for details.

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 injury on 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	Replacement Bit F-style Connector
45518	45518	Replacement Bit BNC-style Connector



45516

Use with F-style and BNC-style Connectors (See pages 208 to 210).

Kwik Cycle™ Cable Tie Guns

45300

The Standard Cable Tie Gun is for use with 5⁄64" to 3⁄16" wide cable ties (2.2 mm to 4.8 mm), and the gun is made of molded nylon.

The Heavy-duty Cable Tie Gun is for use with cable ties up to 1⁄4" wide (6.35 mm), and the gun is made of durable metal.

- 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

Telephone Ratchet Crimper

45553

Typically used for Modular Plug Connectors (See page 208).

Combination tool terminates RJ11 6P4C, RJ12 6P6C and RJ45 8P8C 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.
- All-steel frame has rust-resistant, black oxide finish.

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

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 231 for details on our Voice and Category 5 Data Termination Kit.

45575

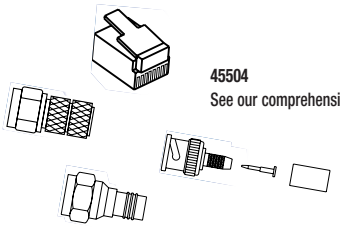
Typically used for Modular Plug Connectors (See page 208). Our Telephone Ratchet Crimper was designed with a compact head to fit into tight spaces and ergonomic handles for operator comfort.

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.

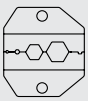
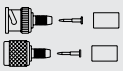
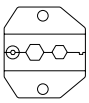
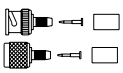
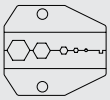
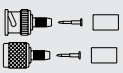
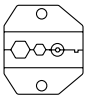
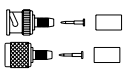
CAT. NO.	UPC NO.	DESCRIPTION
45504	45504	KWIK CYCLE 9" Crimp Frame



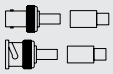
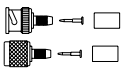
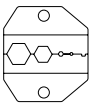
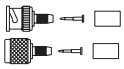
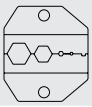
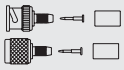
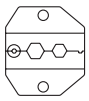
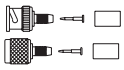
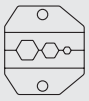
45504

See our comprehensive line of connectors on pages 208 to 210.

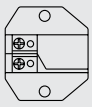
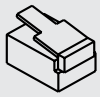
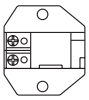
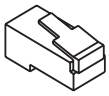
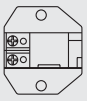
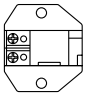
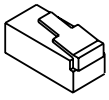
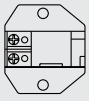
Kwik Cycle™ 9 Interchangeable Die Sets for Coaxial Connectors

	DESCRIPTION		CRIMP PROFILE & DIMENSIONS						CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
	CABLE TYPE	CONNECTION	BRAID CRIMP				CENTER CONTACT		TOOL WITH DIE		DIE ONLY	
	RG58, RG59 Plenum & Non-Plenum Thinwire	BNC/TNC 50/75 OHM 		0.213	0.190		0.068	0.042			45556	45556
	RG6, RG174, 8281, AT&T 728	BNC/TNC/F 	0.324	0.178				0.068	45582	45582	45557	45557
	RG58/141/142/58 Teflon/ 58 Thinney/RG59	BNC/TNC/F 		0.255	0.213		0.100 0.068	0.052			45558	45558
	RG58/59/62 Teflon	BNC/TNC from Cambridge/AIM 	0.325	0.215			0.065				45559	45559

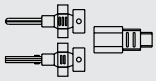
Kwik Cycle™ 9 Interchangeable Die Sets for Coaxial Connectors

	DESCRIPTION		CRIMP PROFILE & DIMENSIONS						CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
	CABLE TYPE	CONNECTION	BRAID CRIMP				CENTER CONTACT		TOOL WITH DIE		DIE ONLY	
	RG58/RG59/ RG59TFE/RG6	BNC/TNC Cambridge/ AIM, 2-piece 	0.320	0.210	0.185						45562	45562
	Belden 1694A	BNC/TNC 	0.315				0.068				45563	45563
	RG22B/U Twinax & others	Twinax	0.429				0.075	0.075			45574	45574
	RG58/RG174/8218	BNC/TNC 50 and 75 OHM 		0.213	0.178		0.068	0.042	45544	45544	46826	46826
	RG6/RG59 & 8281	BNC/TNC & F, 50 and 75 OHM. Also 1695, 1505, 9259 and 9231 	0.324	0.255			0.068	0.042	45545	45545	46830	46830
	RG58/RG59/62AU	BNC/TNC 	0.256	0.213			0.068		46800	46800	46824	46824
	RG59, RG6	CATV F	0.354	0.324	0.255				46801	46801	46808	46808

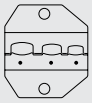
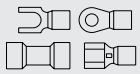
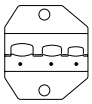
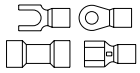
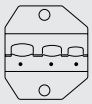
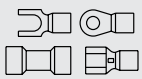
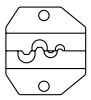
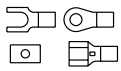
Kwik Cycle™ 9 Interchangeable Die Sets for Modular Plugs

	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	46120	46120	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 Open Barrel Contacts

	DESCRIPTION		CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
	CONNECTION	FEATURES	TOOL WITH DIE		DIE ONLY	
	22-10 AWG (0.3 TO 6 MM²) 	Open barrel, non-insulated terminals, ring tongue, spade and slide-on style			45508	45508

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 syle 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

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

F-STYLE CONNECTORS

DESCRIPTION					RECOMMENDED TOOL					
					STRIPPER		CRIMPER		COMBO	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.		
Handset 4 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45737 45750 45770	45737 45750 45770	45480	45480	45504 w/die 45566	45504 w/die 45566	45575	45575
RJ11 6 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45738 45751 45771	45738 45751 45771	45480	45480	45541	45541	45553 45575	45553 45575
DEC MMJ 6 Contact	Flat Cable Stranded Wire	25/Pack	45739	45739	45480	45480	45504 w/die 46119	45504 w/die 46119		
RJ45 8 Contact	Flat Cable Stranded Wire	25/Pack 50/Pack 100/Pack	45740 45753 45773	45740 45753 45773	45480	45480			45553 45575	45553 45575
Handset 4 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45742 45755 45775	45742 45755 45775	45579	45579	45504 w/die 45566	45504 w/die 45566	45575*	45575*
RJ11 6 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45743 45756 45776	45743 45756 45776	45579	45579	45541	45541	45553* 45575*	45553* 45575*
DEC MMJ 6 Contact	Round Cable Solid Wire	25/Pack	45744	45744	45579	45579			45553* 45575*	45553* 45575*
RJ45 8 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45745 45758 45778	45745 45758 45778	45579	45579			45553* 45575*	45553* 45575*
RJ45 Cat 5 8 Contact	Round Cable Solid Wire	25/Pack 50/Pack 100/Pack	45747 45760 45780	45747 45760 45780	45579	45579			45553* 45575*	45553* 45575*

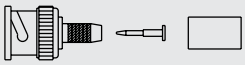
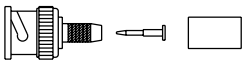
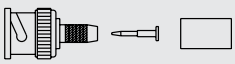
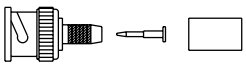
Not for use on round cable

For the best tools to use with our modular plugs, see page 199 to 201 for stripping, and pages 204 and 205 for crimping.

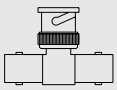
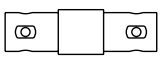
BNC Coaxial Connectors

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

BNC CONNECTORS

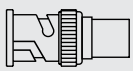
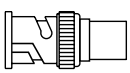
DESCRIPTION					RECOMMENDED TOOL			
					STRIPPER		CRIMPER	
CONNECTOR TYPE	CABLE TYPE	QUANTITY	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
 BNC Crimp Plug	RG58 Thinnet PVC	5/Pack	45730	45730	45577	45577	46800	46800
 BNC Crimp Plug	RG58 Thinnet Plenum	5/Pack	45731	45731	45577	45577	46800	46800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

For the best tools to use with our BNC connectors, see page 200 for stripping and pages 205 for crimping.

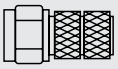
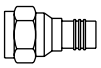
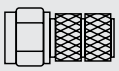
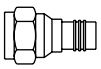
BNC TERMINATORS

DESCRIPTION			
ADAPTER TYPE	QUANTITY	CAT. NO.	UPC NO.
 BNC Terminator 50 OHM	1/Pack	45725	45725
 BNC Terminator 93 OHM	1/Pack	45726	45726

F-style Coaxial Connectors

- Nickel plated for corrosion resistance

F-STYLE CONNECTORS

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

F-STYLE ADAPTERS

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

For the best tools to use with our F-style connectors, see page 200 to 201 for stripping and pages 205 for crimping.

PE 900 Series 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 PE950 and PE961 feature our DigAlert over-voltage alarm and lock-out function to eliminate the danger of damaging or knocking out digital service lines.
- The new PE961 provides full ADSL compatibility.
- 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 cordset with bed-of-nails and piercing pin clips.
- Three year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
PE930	60487	Test Set with Adjustable Ringer
PE945	60489	Test Set with Two-way Hands Free
PE961	60511	Test Set with Two-way Hands Free and DigAlert
PE901	60492	Ground Start Cordset
PE902	60493	Replacement Cordset

FEATURE	PE930	PE945	PE961
Data Safe Monitor	✓	✓	✓
Adjustable Ringer	✓	✓	✓
Waterproof Design	✓	✓	✓
Loud Speaker Listening		✓	✓
Two-way Hands Free		✓	✓
DigAlert™ Data Lock-out			✓
ADSL Compatible			✓

PE930

PE945

PE961

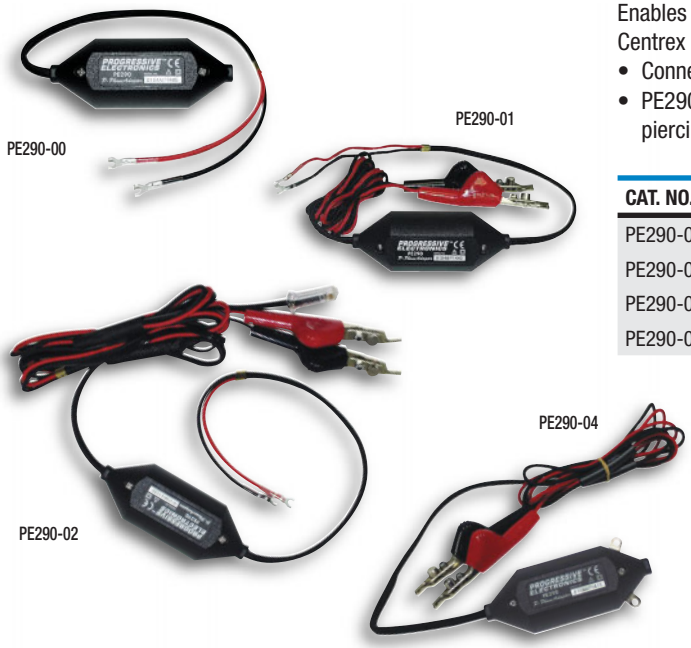
Tele-Mate Communication Test Set

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.
- Data safe monitor mode.
- Replaceable premium cordset with telco-style clips.

CAT. NO.	UPC NO.	DESCRIPTION
PE810	60298	Tele-Mate Communication Test Set

P-Phone Adapters



Enables analog telephone test sets to be used on POTS or Meridian Digital Centrex lines with the use of a simple slide switch.

- Connects directly to most analog test sets.
- PE290-01, PE290-02 and PE290-04 feature angled bed-of-nails clips and piercing spike.

CAT. NO.	UPC NO.	DESCRIPTION
PE290-00	60494	Hard-wired P-Phone Adapter
PE290-01	60495	Hard-wired P-Phone Adapter with 5' OSP Cordset
PE290-02	60515	Hard-wired P-Phone Adapter with 5' Combi-cord
PE290-04	60496	Clip-to P-Phone Adapter with 5' OSP Cordset

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.
- Lifetime limited warranty.

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

Classic 77 Series Tone Generators

77HP

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	08687	77HP Tone Generator
77HP/6A	08688	77HP/6A Tone Generator
77HP/6AC	60480	77HP/6AC Tone Generator

77CS

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

Classic 77 Series Tone Generators

FEATURES / SPECIFICATIONS	77HP	77HP / 6A	77HP / 6AC
Selectable Warble Tone	✓	✓	✓
Continuity Testing	✓	✓	✓
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		✓	✓
Cloth Test Leads			✓
Battery Operated (9V not included)	✓	✓	✓

77HP

77HP/6A

77HP/6AC

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

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	Replacement Piercing Clips

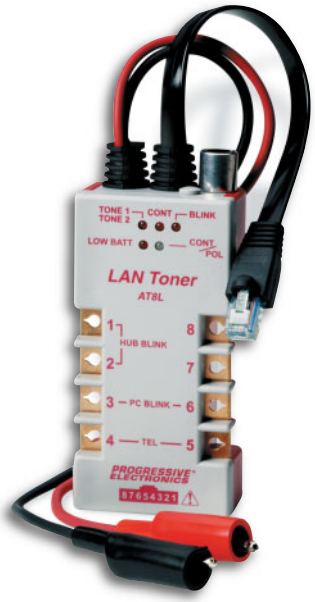
AdapToner Modular Breakout Tone Generator

The AT 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

LAN Toner With HUB Blink

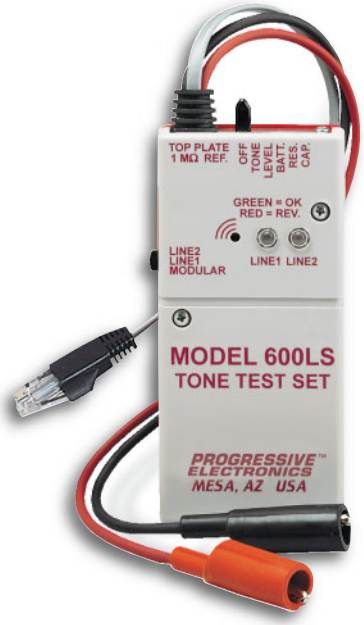


The LAN Toner is designed for the network installation and maintenance professional and can be used on any wiring system including datacom, telecom, security/alarm, audio and CATV.

- Blinks HUB, Switch Port, and PC activity lights for fast identification.
- 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

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

CAT. NO.	UPC NO.	DESCRIPTION
600CS	08679	Leather Belt Holster for 600LS Test Set

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

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.
- High Purity Tone Signal.
- Low Crosstalk.
- Filter-isolated Circuitry.
- Modular and Telco Pro Alligator Leads.
- Popular, Standard Warble Tone Frequencies Continuity Testing
- Line Voltage and Polarity Indication.
- Low Battery Indicator.
- Two-way Broadband Compatible
- ADSL Service Compatible.
- Long Range.
- Compatible with existing tone probes.

CAT. NO.	UPC NO.	DESCRIPTION
PE7780	60777	Date Mate® Tone Generator

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	140 mm (5.5 inches)	**Depth**	25 mm (1.0 inches)
Width	57 mm (2.25 inches)	**Weight**	0.17 kg (0.38 pounds)

200 Series Inductive Amplifiers

MODEL NO.	200EP	200GX	200FP
Powerful 2" Speaker	✓	✓	
Powerful, Rear-fire Speaker			✓
One-button Operation	✓	✓	✓
Adjustable Volume Control	✓	✓	✓
LED for Visual Signal Strength Indication	✓	✓	✓
Recessed Tabs for Telephone Test or Headset Connection	✓	✓	✓
Speaker Bypass When Using Telephone Test Sets		✓	
Noise Filtration			✓
Improved Tip Design for Better Reception and Lower Risk of Shorting Terminals		✓	✓
Continuous-on Feature			✓
Five-minute Auto Shutoff			✓
Low-battery Indicator			✓
Battery Operated (9V not included)	✓	✓	✓

200EP

200GX

200FP

Inductive Amplifiers

200GX

Used in conjunction with any tone generator, Inductive Amplifiers permit wire and cable identification without having to make direct metallic contact with the conductor.

- All models feature 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 200EP also includes adjustable volume control for precise identification, an LED for visual signal strength indication and recessed telephone test set connectors.
- The 200GX includes all the features of the 200EP in a new rugged, ergonomically-designed housing.

CAT. NO.	UPC NO.	DESCRIPTION
200EP	08671	Inductive Amplifier
200GX	60557	Inductive Amplifier

CAT. NO.	UPC NO.	DESCRIPTION
200C	08670	Leather Belt Holster for 200 Series Inductive Amplifiers

Filter Probe

By selectively filtering out all 60Hz and 60Hz harmonics, the 200FP can be used with any tone generator for faster, more accurate, cable and wire identification.

- With three types of noise filtration, the Filter Probe virtually eliminates power-related noise from the tone-and-probe operation.
- 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.

CAT. NO.	UPC NO.	DESCRIPTION
200FP	08672	Filter Probe

Replacement Plastic Tips for 200 Series Probes

RPT-1

RPT-2

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 and 200FP probes.
- RPT-1 comes with two pencil-style tips and two spade-style tips.

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

Classic Tone and Probe Kit

Used to identify single conductors or cables within a bundle, at a cross-connect point or at remote ends.

- Kit includes the 77HP High Power Tone Generator and the 200EP Inductive Amplifier in a rugged, woven polyester carrying case.

CAT. NO.	UPC NO.	DESCRIPTION
701K	08684	Classic Tone and Probe Kit

Professional Tone and Probe Kit

Designed for the telecom professional, this kit is for use on single conductors, twisted pairs, coax cables and de-energized electrical wiring.

- Housings are drop-tested to ensure durability.
- Kit includes the 77GX Tone Generator and 200GX Inductive Amplifier in a rugged carrying case.

CAT. NO.	UPC NO.	DESCRIPTION
711K	60558	Professional Tone and Probe Kit

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.

CAT. NO.	UPC NO.	DESCRIPTION
801K	08690	Premium Tone and Probe Kit

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.

CAT. NO.	UPC NO.	DESCRIPTION
AT8K	08694	AdapToner 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 polyester carrying case.

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.
- 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

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 polyester pouch.

CAT. NO.	UPC NO.	DESCRIPTION
620K	08682	Security and Alarm 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 polyester.
- Fits belts up to 5" wide.

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

Tone and Probe Carrying Case

Allows you to build your own kit using any tone generator and 200 Series probe.

- Durable woven polyester case.
- Fits belts up to 3" wide.

CAT. NO.	UPC NO.	DESCRIPTION
700C	08683	Tone and Probe Carrying Case

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.

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

Voice Tagger

Multi-wire identifier
The Voice Tagger allows for simultaneous tracing or identification of up to 9 wires.

The Voice Tagger provides a numbered voice signal for eight lines, plus a standard warble tone trace signal on alligator clip leads. When connected to the Voice Tagger multiple wires can be identified or traced using any standard wire tracing tone probe. The signals are compatible with voice twisted pair, category 5 or 6 data cable, coaxial cable and non-energized electrical wiring.

- Voice-identified wire tagging.
- Simultaneous tracing of nine individual circuits.
- Works with any standard tone probe.
- Single 9 VDC battery operation.
- Labor saving during cable installation and maintenance.
- Compatible with a wide range of wiring and cable.
- Rugged reliable construction.

CAT. NO.	UPC NO.	DESCRIPTION
1185-5001	60518	Voice Tagger

SPECIFICATIONS

Electrical	
Range	9 cable miles
Warble Tone Signal	460/920 Hz alternating
Power Source	One 9 VDC battery (NEDA1604 or 6LR61)
Mechanical	
Length	140 mm (5.5 inches)
Height	32 mm (1.25 inches)
Width	70 mm (2.75 inches)

Modular Cable Tester/Tone Generator

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	Modular Cable Tester/Tone Generator
468C	60382	Carrying Case for the Modular Cable Tester/Tone Generator

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).
- Lifetime limited warranty.

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

Pair Mapper Twisted Pair Fault Tester

45280

Identifiers 2, 3, 4 sold separately.

Use to identify various wiring faults found in 10BASE-T and other four-pair, unshielded twisted pair (UTP) cables per TIA/EIA 568A and 568B.

- Tests and identifies up to four cables with unique Remote Terminators.
- Easy-to-use, compact.
- Tests four-pair UTP cables including 100 BASE T.
- Checks UTP cable for shorts, opens, crossed pairs, reversed pairs and split pairs.
- Battery operated (9V not included).
- Lifetime limited warranty.

CAT. NO.	UPC NO.	DESCRIPTION
45280	45280	PairMapper Twisted Pair Fault Tester with Remote 1
45275	45275	Remote Terminators 2, 3, 4
45276	45276	Carrying Case

Coaxial Cable Tester

45055

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).
- Lifetime limited warranty.

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

NETcat® LAN Trouble Shooter

52397

Tests and maintains 10BASE-T and coaxial Ethernet networks consisting of CAT 3, 4 and 5 cable. Tests include WireMap, TDR length, near-end crosstalk (NEXT) and attenuation to 16MHz, signal-to-noise ratio and noise.

- Diagnoses many common network problems with its combination of cable testing and network monitoring.
- Autotest function automatically performs critical cable tests and reports PASS or FAIL, along with cause for any failure.
- Detects active Ethernet traffic.
- Monitors Ethernet traffic for utilization, collisions, hub link pulse and jabber.
- Battery operated (three 9V batteries included).
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
52397	52397	NETcat LAN Trouble Shooter
55412	55412	Vinyl Carrying Case
52404	52404	Token Ring Adapter

NETcat® Plus LAN Trouble Shooter

54801

Tests and maintains CAT 3, 4 and 5 Ethernet, 10BASE-T and Token Ring networks. Tests include WireMap, TDR length, near-end crosstalk (NEXT) and attenuation to 20MHz and noise.

- Diagnoses many common network problems with its combination of cable testing and Ethernet network monitoring.
- Autotest function automatically performs critical cable tests and reports PASS or FAIL, along with cause for any failure.
- Stores and prints up to 500 autotest reports.
- Verifies network moves, adds and changes.
- Identifies distance to any cable damage.
- Detects active Ethernet traffic.
- Monitors Ethernet traffic for utilization, collisions, hub link pulse and jabber.
- Datalogs Ethernet traffic up to 30 hours.
- Includes batteries, AC/mains adapter, printer cable and system carrying case.
- Operates from batteries or AC/mains adapter.
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
54801	54801	NETcat Plus LAN Trouble Shooter
52404	52404	Token Ring Adapter

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.
- Lifetime limited warranty.

APPLICATION	COLOR	FREQUENCY	CAT NO.	UPC NO.
Power	Red	169.8kHz	160	60765
Water	Blue	145.7kHz	161	60766
Sanitary	Green	121.6kHz	162	60767
Telephone	Orange	101.4kHz	163	60768
Gas	Yellow	83.0kHz	164	60769
Cable TV	Orange/Black	77.0kHz	165	60770

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.
- Lifetime limited warranty.

APPLICATION	COLOR	FREQUENCY	CAT NO.	UPC NO.
Power	Red	169.8kHz	170	60771
Water	Blue	145.7kHz	171	60772
Sanitary	Green	121.6kHz	172	60773
Telephone	Orange	101.4kHz	173	60774
Gas	Yellow	83.0kHz	174	60775
Cable TV	Orange/Black	77.0kHz	175	60776

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'.
- Transmitter can be connected to live lines up to 600V.
- Molded carrying case included.

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

Tracker II

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' test leads (2.4 m) with heavy-duty alligator clips and a durable polyethylene case.
- High frequency transmitter provides range up to 4,000' (1,219 m) and depths up to 7' (2 m).
- Receiver is 32" long (813 mm).
- Battery operated (eight AA and one 9V battery is included).
- Molded carrying case included.

CAT. NO.	UPC NO.	DESCRIPTION
501	08662	Tracker II

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

Wire Finder/Mini Locator

Used to trace energized or degenerated wires in walls and drop ceilings.

- Determines the approximate depth of a wire before digging begins.
- Transmitter and receiver are fully-adjustable for accurate locating.
- Reliable results on buried cables to depths of 3' and lengths up to 1000'.
- Quick-change test leads for use in any industry, even international power outlets.
- Voltage protection allows use on live AC circuits.
- Automatic shutoff prevents accidental battery discharge.
- Both the transmitter and receiver are housed in a durable, molded carrying case with a quick reference operation guide on the inside of the lid.
- Compact design.
- Easy-to-understand operations.
- Battery operated (two 9V batteries included).
- Molded carrying case included.

CAT. NO.	UPC NO.	DESCRIPTION
508S	08678	Wire Finder/Mini Locator

Pulser

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 is included).
- Molded carrying case included.

CAT. NO.	UPC NO.	DESCRIPTION
PE2003	08666	Pulser

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.
- 1-year warranty.
- Battery-operated (1 – 6V lantern included).

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

SPECIFICATIONS

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

Load Coil Detector

Designed for the telecommunications market, the 88 Load Coil Detector will identify the presence and count the number of load coils on an active or inactive circuit.

- No complicated screens or test instructions to decipher.
- Designed to withstand the rigors of daily use, the tester speeds trouble-shooting 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.
- 1-year warranty.

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

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

Professional Installation Kit

Includes all the tools, connectors and testers for installing and maintaining most types of communications cabling including voice, data and 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.
- Case has durable handles and eyelets for adding a shoulder strap.

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
45280	45280	PairMapper™ Twisted Pair Fault Tester
45275	45275	PairMapper Remote Terminators 2, 3, 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 Thinnet 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

Coax/Twisted Pair LAN Termination and Test Kit

Provides the essential tools, connectors and testers necessary for maintaining a Local Area Network, 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.
- Case has durable handles and eyelets for adding a shoulder strap.

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
45781	45781	BNC-style Coax Connectors for RG58 Thinnet Plenum Cable (Qty. 20)
45760	45760	Category 5 Connectors RJ45, 8 Position (Qty. 50)
45478	45478	Carrying 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

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

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

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

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
PT-T02	08708	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
46025	46025	BIX Style Punchdown Blade
46026	46026	Krone Style Punchdown Blade

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.
- Case has durable handles and eyelets for adding a shoulder strap.

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
45439	45439	Insulated Screwdrivers, 6-piece Set, 1000V Rating
45487	45487	Carrying Case

Telecom Technician Pouch

Contains all the essential tools and testers to install and maintain the voice network.

- Durable woven polyester pouch fits any belt up to 5" wide and keeps all the tools conveniently accessible.

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

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

Fiber Optic Kevlar® Shears

Easily cuts through DuPont Kevlar or other aramid yarn.
- Serrated blade prevents slipping.
- High-leverage handles facilitate cutting.
- Cushioned-grip handle for comfortable use.
- Manufactured from hot-forged, high-carbon steel for long life.

CAT. NO.	UPC NO.	DESCRIPTION
45586	45586	Fiber Optic Kevlar Shears

Ceramic Kevlar Cutter

Quickly and precisely trims the Kevlar strength member in fiber optic cable.
- Ceramic blades never need sharpening and have a long life.
- Handle is tough and durable.

CAT. NO.	UPC NO.	DESCRIPTION
45483	45483	Ceramic Kevlar Cutter

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

Fiber Optic Carbide-tipped Scribe

Provides consistently good cleaves.
- 30° wedge tip is made of carbide to ensure long life.
- Made in the USA.

CAT. NO.	UPC NO.	DESCRIPTION
45593	45593	Fiber Optic Carbide-tipped Scribe

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.

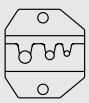
CAT. NO.	UPC NO.	DESCRIPTION
1955	06857	Pro-Plus Wire Stripper, 10-18 AWG

Kwik Cycle™ 9 Crimp Tool For Fiber Optic Connectors

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.

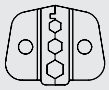
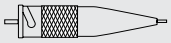
CAT. NO.	UPC NO.	DESCRIPTION
45504	45504	KWIK CYCLE 9" Crimp Frame
45572	45572	Fiber Optic Die Set

	DESCRIPTION		CAT. NO.	UPC NO.
	CONNECTION	FEATURES	DIE ONLY	
		O-style crimp cavities with dimensions of 0.131" x 0.162" x 0.196" (3.33 mm x 4.11 mm x 4.98 mm) For AMP Optimate SMA-style fiber optic connectors	45572	45572

Kwik Cycle™ 8 Crimp Tool For Fiber Optic Connectors

- Features a smaller handle spread with a comfortable, ergonomically designed handle.
- Ideal for the hard to handle smaller connectors, such as fiber optic connectors and open barrel contacts.
- Die sets are easily interchangeable with a screwdriver.
- Includes die set.

CAT. NO.	UPC NO.	DESCRIPTION
45637	45637	8" Crimper Frame with 45637 die set

	DESCRIPTION		CAT. NO.	UPC NO.
	CONNECTION	FEATURES	TOOL WITH DIE	
		0.151" (3.84 mm) hex cavity 0.178" (4.52 mm) hex cavity 0.213" (5.41 mm) hex cavity Universal fiber optic die	45637	45637

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".
- 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.

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
948/6	60693	Replacement Reel Set, 6/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

Quick Reference Charts for Fiber Testing Applications

FIBER OPTICS MEASUREMENTS MATRIX

APPLICATION	SINGLE-MODE	PAGE NO.	MULTIMODE (glass fiber)	PAGE NO.
Visual Fault Location	T160L / T164L / T165L 263LX + FoPro®	246, 248 256	T160L / T164L / T165L 263LX + FoPro®	246, 248 256
Visual Continuity	T160L / T164L / T165L 263LX	246, 248	T160L / T164L / T165L 263LX	246, 248
Measure Optical Power (to +3dBm) (to +27dBm)	522B / 555B 522B-HP / 558B	243, 244 245	522B / 555B / 557B	243, 244 245
Measure Insertion Loss / Attenuation (Dual Wavelength)	262A + 555B 10,000 Series / 11,000 Series 523B-13/15	239 240 244	252B + 555B 5,000 Series / 6,000 Series FiberMeter™	241, 242 244 249
Data Storage Capability	522B / 522B-HP 523B-13/15	239 243	522B / 522B-HP	244

SPECIAL TEST EQUIPMENT FOR MT-RJ INTERCONNECTIONS

APPLICATION	SINGLE-MODE	PAGE NO.	MULTIMODE (glass fiber)	PAGE NO.
Visual Fault Location	263MT	246	263MT	246
Visual Continuity	263MT	246	263MT	246
Measure Optical Power	556MT	244	556MT	244
Measure Insertion Loss	262A + 556MT	244	255MT / 257MT + 556MT 5,000 Series / 6,000 Series 60576MT / 60556MT	241, 242 244 250

SPECIAL TEST EQUIPMENT FOR PLASTIC OPTICAL FIBER (POF)

APPLICATION	MULTIMODE (1 mm POF)	PAGE NO.
Visual Fault Location	253B	250
Visual Continuity	253B	250
Measure Optical Power	557B	245
Measure Insertion Loss	253B + 557B	245 250

NOTE: Typical POF Connectors include Versatile Link, J/V/Z Pins and TOSLINK.
See SOC adapter selection guide on pages 253 and 254.

Optical Loss Test Sets

MODEL NO.	FIBERMETER™	523B-13/15	10,000 & 11,000 SERIES	5,000 & 6,000 SERIES	60556MT	253B+557B
PACKAGE	Handheld	Handheld	Handheld	Palm-sized	Palm-sized	Palm-sized
SOURCE TYPE	LED	Laser	Laser	LED	LED	LED
CALIBRATION WAVELENGTHS (nm)	350/1300	1310/1550	1310/1550	850/1300	850/1300	650
MEASUREMENT RANGE	+3 to -5dBm	+3 to -75dBm	+3 to -60dBm	+3 to -60dBm	+3 to -60dBm	+3 to -60dBm
MEASUREMENT UNITS	dB, dBm	dB, dBm, W	dB, dBm	dB, dBm	dB, dBm	dB, dBm
Storage Capability	✓	✓				
Single-mode		✓	✓			
Multimode (glass)	✓			✓	✓	
Multimode (POF)						✓
Talk Function	✓					

55430

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 display 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 and crushing.
- 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 253 and 254). Source output is directly compatible with PC connectors. For APC use hybrid cable approach (See page 257).

fiberTOOLS® Single-mode Optical Loss Test Sets

These conveniently packaged test sets are used to test, troubleshoot and maintain telco, CATV, LAN and other single-mode network applications. The Basic Set can be used to measure output power and certify end-to-end attenuation on deployed fiber spans.

- Easy-to-use, all-in-one prepackaged kit.
- Dual wavelength 1310/1550nm source covers all requirements.
- Source has stable, calibrated output.
- Rugged, splashproof instruments.
- Water- and air-tight hard carrying case.
- Meets the link certification requirements of TIA-568B and ISO/IEC-11801.
- 0.01dB measurement resolution.
- Two AA batteries provide power for over 100 hours in the optical power meters, over 50 hours in the LED sources and over 48 hours in the visual fault finder.

Basic Sets include:

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

Deluxe Sets include:

- Basic Set contents.
- Visual fault finder T160.
- Connector Cleaner.
- Cleaning Wands.

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

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

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
50/125		Basic Multimode Test Sets	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		
60552MT	60654	Deluxe MM Test Set, 850/1300nm
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	+27 to -53dBm	+3 to -60dBm	+3 to -40dBm	+3 to -60dBm	+27 to -30dBm
MEASUREMENT UNITS	dB, dBm, mW	dB, dBm, mW	dB, dBm	dB, dBm	dB, dBm	dB, dBm
OPTICAL POWER METER INTERFACE TYPE	SOC Universal	SOC Universal	SOC Universal	SOC Universal	SOC Universal	SOC Universal
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 display 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 and crushing.
- 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.

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 253 and 254). Compatible with both PC and APC connectors.

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

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 and crushing.
- 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/adapter 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) adapter (See pages 253 and 254). 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 and crushing.
- 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/adapter 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 13A2 for MT-RJ Snap-On Connector (SOC) adapter (See page 254). 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 and crushing.
- 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/adapter 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) adapter (See pages 253 and 254). Compatible with both PC and APC connectors.

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

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 and crushing.
- 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/adapter 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 253 and 254). Compatible with both PC and APC connectors.

Fault Locators and Light Detectors

MODEL	263LX	263MT	MicroOTDR™	510 LS SensoLITE®	T160L
TYPE	Visible Laser	Visible Laser	OTDR	Light Detector (Ge)	Visible Laser
WAVELENGTH (NM)	635nm (red)	635nm (red)	1310nm	630 to 1600nm	635nm (red)
DISTANCE	Up to 3 km (very bright)	Up to 1 km (bright)	up to 20 km		Up to 3 km (very bright)
LIFE / BATTERY TYPE	40 hours (2 AA)	24 hours (2 AA)	13,000 Tests (4 AA)	1 year (2 AA)	48 hours (2 AA)
OPTICAL INTERFACE TYPE	Fixed FC-PC Interface	Fixed MT-RJ Interface	Fixed ST-PC Interface	Universal Interface	2.5 MM Universal Interface
Single-mode	✓		✓		✓
Multimode	✓	✓	✓	✓	✓

263LX

263MT

55446

510LS

T160L

FC-PC and MT-RJ Visual Fault Finders

Used to quickly locate bending loss and breaks in optical fibers, and to identify bad connectors.

- 635nm red laser makes fiber breaks and bending losses easily visible.
- Stable, calibrated output.
- Continuous wave output mode for steady fault illumination.
- Blinking output mode increases viewing contrast.
- Optional AC power converter/adapter is available for prolonged or benchtop use.
- Proven, reliable and compact design.
- Economically priced.
- Rugged and splashproof.
- 263LX model includes fixed FC-PC interface, for use with optional FoPro® Adapter Cable (See page 32) or user-supplied hybrid cable (See page 33).
- 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)

MicroOTDR™ Optical Fault Locator

Provides fast, easy and accurate identification of loss points/faults and length for multimode and single-mode fiber optic cable.

- Easy-to-use; one button controls all essential functions.
- Fast; takes less than six seconds to identify the distance to six optical events plus the cable end.
- Delivers over 13,000 tests from four AA batteries.
- Fixed ST-PC interface, use hybrid cables for other connector types.
- Uses 1310nm laser OTDR technology.
- Measures cable length to 20 km.
- Identifies distance to seven loss points/faults.
- Distance accuracy of ±2 m.
- ST-style output connection.
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
55446	55446	MicroOTDR Optical Fault Locator

SensoLITE® 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 Light Detector

Visual Fault Finder

Pinpoints cable breaks and bad connections in both single-mode and multimode fiber.

- Quick connect interface adapts to all standard PC and APC polished 2.5 mm ferruled connectors without adapters.
- Both continuous and pulsed operation aid in fault detection even in high ambient lighted areas.
- Pocket-sized.
- Rugged, waterproof design.
- Ultra-bright 635nm visible laser detects fiber breaks up to 3 km away.
- Operates for over 48 hours on two AA batteries.
- Includes integral dust cap and nylon, belt-mounted carrying pouch.
- Optional snap-on adapters permit attachment to ST, SC and FC connectors.

CAT. NO.	UPC NO.	DESCRIPTION
T160L	60562	Visual Fault Finder
1630	60580	ST SOC Adapter
1662	60581	SC SOC Adapter
1620	60582	FC SOC Adapter

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
934-125	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

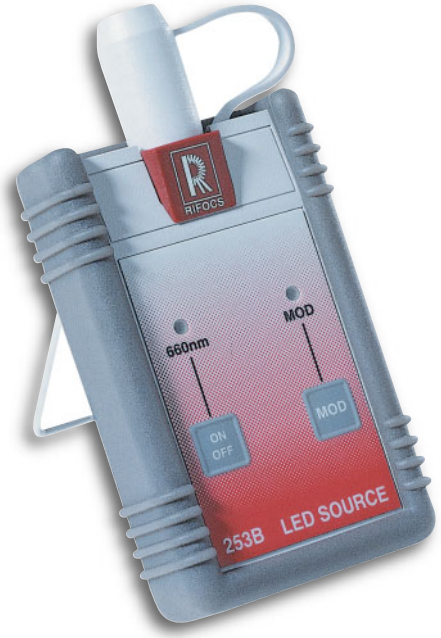
Perform multimode insertion loss and link loss measurements on local area networks, premises networks and Fiber Distributed Data Interface (FDDI) installations.

- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy-to-use; three buttons control all essential functions.
- Rubber boot protects against dropping and crushing.
- 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/adapter 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 253 and 254).

Single Wavelength 650nm LED Source



Performs multimode insertion loss and link loss measurements when paired with an optical power meter for POF testing.

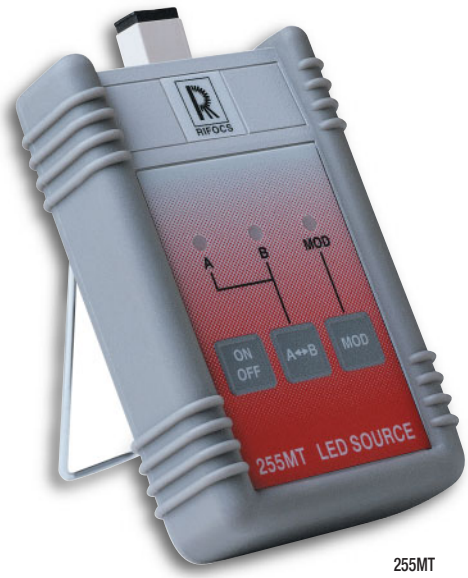
- Stable, calibrated output.
- Proven, reliable and compact design.
- Easy-to-use; two buttons control all essential functions.
- Rubber boot protects against dropping and crushing.
- Rugged and splashproof.
- Nominal output into 200/230 is -15dBm.
- Continuous and modulated output modes.
- User-selectable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

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

Requires one Snap-On Connector (SOC) adapter (See pages 253 and 254).

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

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 and crushing.
- Rugged and splashproof.
- 255MT model has a 1300nm wavelength.
- 257MT model has an 850nm wavelength.
- Nominal output for 62.5/125 is -20dBm for both 850nm and 1300nm.
- Continuous and alternating output modes.
- Fixed MT-RJ interface.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 24 hours.
- Optional AC power converter/adapter is available for prolonged or benchtop use.

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

Laser Sources

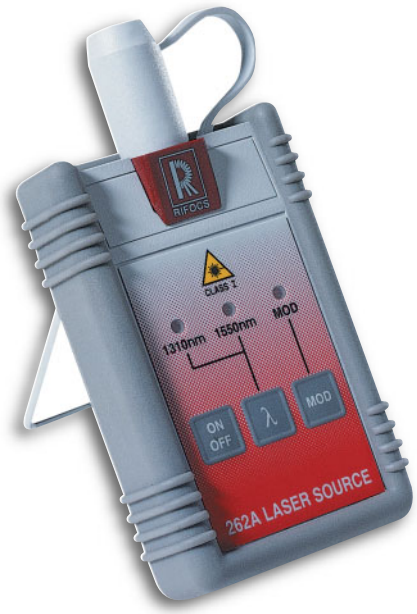
MODEL	262A	265A	266A
SOURCE TYPE	Fabry-Perot Laser	Fabry-Perot Laser	Fabry-Perot Laser
WAVELENGTHS (NM)	1310/1550	1310	1550
OPTICAL INTERFACE TYPE	UCI Universal	UCI Universal	UCI Universal
Continuous and Modulated Output Modes	✓	✓	✓
User-selectable Auto Shutoff	✓	✓	✓
Single-mode	✓	✓	✓

262A

265A

266A

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 and crushing.
- Rugged and splashproof.
- Single unit toggles between 1310nm and 1550nm wavelengths.
- Fabry-Perot laser diodes.
- Calibrated output power is nominal -7.0dBm.
- Continuous and modulated output modes.
- User-selectable auto shutoff.
- Two AA batteries provide power for over 50 hours.
- Optional AC power converter/adapter is available for prolonged or benchtop use.

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

Requires one UCI adapter (See pages 253 and 254).
For PC polished connectors only. For APC connectors, use hybrid reference cables (See page 257).

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

Single Wavelength Laser Sources

265A

To accommodate other connector types, see our SOC/UCI adapters on pages 253 and 254 and reference cables on page 257.

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 and crushing.
- Rugged and splashproof.
- 265A has a 1310nm wavelength and -7dBm output for single-mode testing.
- 266A has a 1550nm 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.
- The 266A model operates for over 80 hours on two AA batteries.
- AC power converter/adapter is available for prolonged or benchtop use.

CAT. NO.	UPC NO.	DESCRIPTION
265A	60565	1310nm Laser Source, SM
266A	60544	1550nm Laser Source, SM
90ACK	60686	AC/Main Power Converter 120V (one required per handheld unit)

Requires one UCI adapter (See pages 253 and 254)
For PC polished connectors only. For APC connectors, use hybrid reference cables (See page 257).

fiberTOOLS® Carrying Cases

Carry Case only

900B
Instruments and accessories not included

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

900B and 901B Hard Carrying Cases

- Top tray holds up to 3 (900B) or 4 (901B) handheld instruments and a T160L Visual Fault Finder.
- Bottom compartment of both models stores additional instruments and test accessories.
- Compact, waterproof and lockable.
- Molded from black structural foam resin.

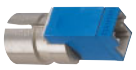
CAT. NO.	UPC NO.	DESCRIPTION
900B	60684	Hard Carrying Case, Holds 3x Handhelds
901B	60579	Hard Carrying Case, Holds 4x Handhelds

Fiber Optic Instrument Adapters – SOC and UCI

Our SOC and UCI adapters provide direct connectivity for Tempo fiberTOOLS® to a wide range of industry-standard fiber optic connectors.

- Adapter design ensures maximum accuracy and repeatability when performing critical measurements on fiber optic systems.
- Easy to clean and use.
- Single-mode and multimode compatible.
- SOC adapters are compatible with both PC and Angled APC physical contact interfaces.
- UCI adapters feature durable phosphor bronze alignment sleeve.
- SOC (Snap-On Connector) adapter is used on all power meters and 250 “B” series LED Sources.
- UCI (Universal Connector Interface) adapter is used on all 250/260 “A” Series Sources and 330 Series Variable Optical Attenuators.

Fiber Optic Instrument Adapters — SOC and UCI

CONNECTOR TYPE	SOC ADAPTER			UCI ADAPTER		
DESCRIPTION		CAT. NO.	UPC NO.		CAT. NO.	UPC NO.
1.25 mm Quick-Connect Universal Adapter (LC, MU, etc.)		T1026	30588	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			
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		1050	60592		AMS-00	60700
HMS-10/A (SMA-2.5 mm)		1086	60595		AMT-10	60701
HMS-10/HP		1040	60590		AHP-10	60699
LC		10LC	60600	Use hybrid cable * or FoPro® ✖		

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		T10ML	60601	Use hybrid cable * or FoPro® ✖		
SC		T1062	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 244.

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

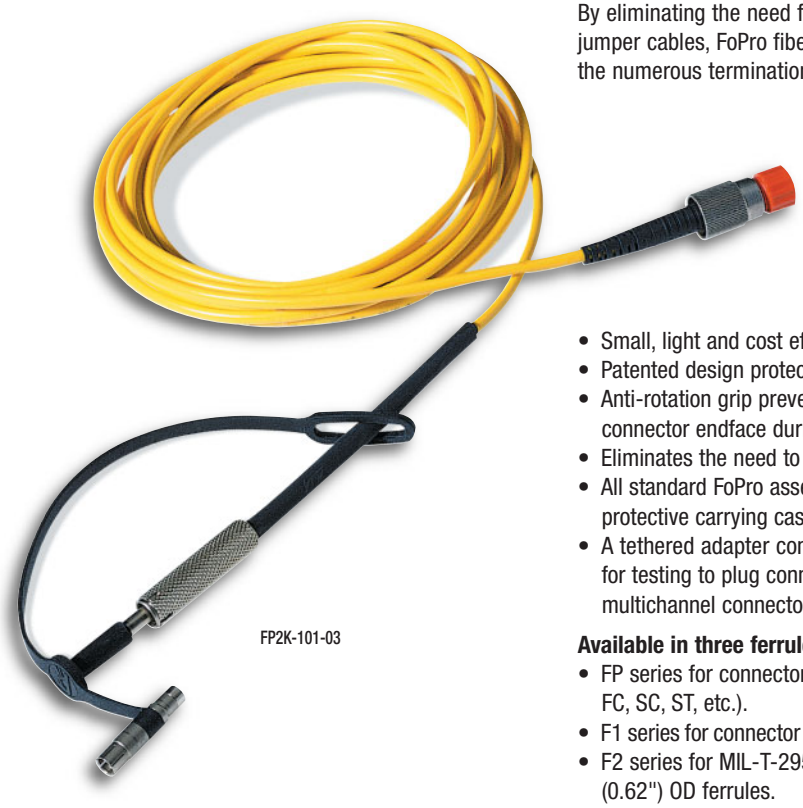
Conveniently combines the most popular SOC, UCI and bulkhead mating adapters used for Local Area Networks. Enables direct connectivity for Tempo fiberTOOLS to industry-standard fiber optic connectors.

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

FoPro® Fiber Optic Test Probes



FP2K-101-03

By eliminating the need for specialized connectors, adapters and hybrid jumper cables, FoPro fiber optic probes simplify testing patch panels and the numerous termination types encountered in the field.

- Small, light and cost effective.
- Patented design protects delicate connector endfaces from scratching.
- Anti-rotation grip prevents the probe endface from grinding against the connector endface during a test.
- Eliminates the need to stock numerous hybrid test cable configurations.
- All standard FoPro assemblies are 3 m (9.8') long and come in a protective carrying case.
- A tethered adapter converts the FoPro from a male to female interface for testing to plug connectors as well as testing the “pin” interface of multichannel connectors.

Available in three ferrule configurations:

- FP series for connector applications with 2.5 mm OD ferrules (DIN, E2000, FC, SC, ST, etc.).
- F1 series for connector applications with 1.25 mm OD ferrules (LC, MU, etc.).
- F2 series for MIL-T-29504 /4 and /5 termini applications with 1.57 mm (0.62") OD ferrules.

DESCRIPTION	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.	CAT. NO.	UPC NO.
FOPRO WITH 2.5 MM FERRULE	**SM 9/125**		**MM 50/125**		**MM 62.5/125**		**MM 100/140**	
FC-PC	FP2K-101-03	60704	FP2K-105-03	60705	FP2K-106-03	60706		
ST-PC	FP3K-101-03	60707	FP3K-105-03	60708	FP3K-106-03	60709	FP36-110-03	60728
SC-PC	FP6K-101-03	60710	FP6K-105-03	60711	FP6K-106-03	60712		
FOPRO WITH 1.25 MM FERRULE	**SM 9/125**		**MM 50/125**		**MM 62.5/125**		**MM 100/140**	
FC-PC	F12K-101-03	60713	F12K-105-03	60714	F12K-106-03	60715		
ST-PC	F13K-101-03	60716	F13K-105-03	60717	F13K-106-03	60718	F136-110-03	60729
SC-PC	F16K-101-03	60719	F16K-105-03	60720	F16K-106-03	60721		
FOPRO WITH MIL-STYLE 1.57 MM FERRULE	**SM 9/125**		**MM 50/125**		**MM 62.5/125**		**MM 100/140**	
ST-PC	F23K-101-03	60722	F23K-105-03	60723	F23K-106-03	60724	F236-110-03	60730

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

572J

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

Meets and/or exceeds the latest industry standards including:

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

SPECIFICATIONS

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

STANDARD REFERENCE CABLES (TYPE A TO TYPE B)

DESCRIPTION	CAT NO.	UPC NO.	DESCRIPTION	CAT NO.	UPC NO.	CAT NO.	UPC NO.
Single-mode Reference Cables:			Multimode Reference Cables:	50/125		62.5/125	
FC-PC to FC-PC	562K-101	60658	FC-PC to FC-PC	562K-105	60659	562K-106	60660
ST-PC to ST-PC	563K-101	60661	ST-PC to ST-PC	563K-105	60662	563K-106	60663
SC-PC to SC-PC	566K-101	60664	SC-PC to SC-PC	566K-105	60665	566K-106	60666
E2000-PC to E2000-PC	56E2-101	60667	E2000-PC to E2000-PC	56E2-105	60668	56E2-106	60669
LC-PC to LC-PC	56LC-LFM	60670	LC-PC to LC-PC	56LC-LM5	60671	56LC-LM6	60672
MU-PC to MU-PC	56MU-LFM	60673	MU-PC to MU-PC	56MU-LM5	60674	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		62.5/125	
FC-PC to FC-APC	572J-101	60680					
FC-PC to SC-APC	576J-101	60681					
FC-PC to E2000-APC	57E8-101	60682					
FC-PC to LC-PC	57LC-LFM	60733	FC-PC to LC-PC	57LC-LM5	60734	57LC-LM6	60735
FC-PC to MU-PC	57MU-LFM	60736	FC-PC to MU-PC	57MU-LM5	60737	57MU-LM6	60738

262A

To measure attenuation of SM links with APC polished connectors, use our 262A Dual Wavelength Laser Source (see page 251) with the APC-108 FC UCI Adapter (see page 253) and a Hybrid Reference Cable. Use same hybrid reference cable approach for LC-PC and MO-PC connectors.

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:

45586	45586	Kevlar Shears
1955	06857	Stripper for Cable Jackets
45589	45589	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"
45644	45644	Zipper Case

Fiber Optic Cut and Strip Kit

Includes three basic tools for cutting and stripping optical fiber cables in a durable Cordura Plus zipper case.

CAT. NO.	UPC NO.	DESCRIPTION
45657	45657	Fiber Optic Cut and Strip Kit

Kit contents may be purchased separately:

45586	45586	Fiber Optic Kevlar® Shears
1955	06857	Stripper for Cable Jackets
45589	45589	Fiber Optic Buffer Stripper

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

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

50 Sheets Polishing Paper, 1 micron	10 Syringes
50 Sheets Polishing Paper, 5 micron	10 Needle Tips
10 ml (0.34 oz.) Opticure Adhesive	100 Lint-free Wipes
26 ml (0.9 oz.) Opticure Primer	10 Alcohol Wipes

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.
- Case has durable handles and eyelets for adding a shoulder strap.

CAT. NO.	UPC NO.	DESCRIPTION
45658	45658	Fiber Optic Termination Kit

Kit contents may be purchased separately:

45586	45586	Kevlar® Shears
1955	06857	Stripper for Cable Jackets
45589	45589	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"
45639	45639	Carrying Case

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

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

** Some connector manufacturers may require alternative tools or materials.*

LANcat® System 5 and System 6 Network Cable Tester & Talk Set

54713
System 5

54784
System 6

- System 5 Autotest Suite includes Power Sum NEXT, Attenuation, Power Sum ACR, Length, WireMap, Propagation Delay, Delay Skew and headroom margin.
- System 6 Autotest Suite includes Power Sum NEXT, Attenuation, EL-FEXT, Return Loss, Length, WireMap, Propagation Delay and Delay Skew.
- Built-in two-way talk set.
- Cable toner for locating cable ends.
- Fiberoptic cable testing options.
- Save up to 800 autotest reports for upload to a PC using provided Windows-based software.
- Operates from AA cells, AC/mains adapter or optional NiMH battery pack.
- Includes hard carrying case.
- Two year warranty.

System 5
- Certifies up to 100 MHz Category 5/Class D twisted pair cabling.

System 6
- Certifies up to CAT5 and Enhanced CAT5 twisted pair cabling to the most demanding TIA Category 5e Level IIe requirements.

CAT. NO.	UPC NO.	DESCRIPTION
54713	54713	LANcat System 5 (115V, 60Hz)
54784	54784	LANcat System 6 (115V, 60Hz)

SYSTEM ACCESSORIES

CAT. NO.	UPC NO.	DESCRIPTION
54459	54459	NiMH Rechargeable Battery Pack
54458	54458	Coax Cable Testing Module Option
54655	54655	110 Block Connecting Module Option (T568A wired)*
54657	54657	110 Block Connecting Module Option (T568B wired)*
54741	54741	Handset Cover for LANcat System 5 Handsets
54742	54742	Installers Kit [NiMH battery packs (2), System 5 Handset covers (2)]

**Category 5/Class D testing*

FIBERcat™ Optical Loss Test Kit

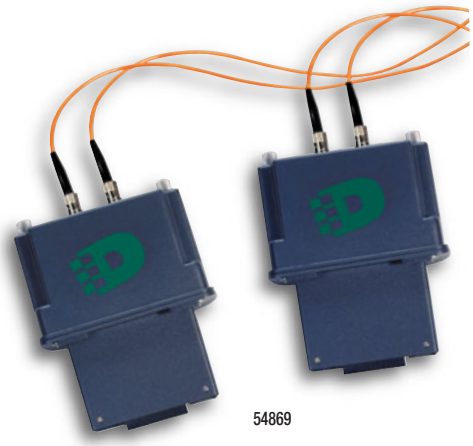
54653

Handset not included.

Converts any LANcat System 5 or System 6 handset into a precision optical power meter for measuring fiberoptic power or cable loss.
- Measures 850/1300nm optical loss on multimode fiber.
- Measures 1310/1550nm optical loss on single-mode fiber.
- Includes 850/1300nm LED light source.
- Memory for multiple loss references.
- Saves up to 400 autotest reports in LANcat handsets for upload to a PC using provided Windows-based software.
- Optional ST Fiber Test Kit includes two ST simplex launch cables 62.5/125µ, two ST bulkhead adapters and alcohol pads.
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
54653	54653	FIBERcat Optical Loss Test Kit
54720	54720	ST Fiber Test Kit
54870	54870	ST to ST Simplex Patch Cable (62.5/125µ)
54871	54871	ST to SC Simplex Patch Cable (62.5/125µ)

FIBERcat™ Test & Talk Fiber Certification System



54869

Converts any LANcat® System 5 or System 6 into a precision multimode optical loss test set.

- Measures dual wavelength, bi-directional multimode 850/1300nm optical loss and link length on two cables simultaneously.
- Includes automated link loss budget calculation and automatic PASS/FAIL determination.
- Tests two fibers with one autotest.
- Measures link length and propagation delay.
- Saves up to 800 autotest reports in LANcat handsets for upload to a PC using provided Windows-based software.
- Talk over multimode fiber.
- Optional ST Fiber Test Kit includes two ST simplex launch cables 62.5/125µ, two ST bulkhead adapters and alcohol pads.
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
54869	54869	FIBERcat Test & Talk
54872	54872	LANcat System 6 w/ Test & Talk
54720	54720	ST Fiber Test Kit
54870	54870	ST to ST Simplex Patch Cable (62.5/125µ)
54871	54871	ST to SC Simplex Patch Cable (62.5/125µ)

FiberMeter™ Fiber Certification System

A complete system for field testing of premise wiring fiber links on multimode fiber per TIA-568B.3.

Multimode fiber testing features:

- Accommodates both 50/125 and 62.5/125 multimode fiber.
- Test two multimode fibers with one setup.
- Automated measurement of optical loss and cable length.
- PASS/FAIL certification against industry standards.
- Detailed certification reports.
- Built-in talk set.
- Fixed ST-PC interface (use hybrid reference cables for other connector types).
- Measurement range +3 to -55dBm.
- Measure bi-directional loss at 850/1300nm.
- Measure link length to 2000 meters.
- Saves up to 2000 link reports for upload to a PC using provided Windows-based software.
- Operates from AA cells, AC/mains or optional NiMH rechargeable battery packs.
- System includes thermoform handset covers, four test jumpers, earphones, AA batteries, AC/mains adapters and a carrying case.
- Two year warranty.

CAT. NO.	UPC NO.	DESCRIPTION
55430	55430	FiberMeter Fiber Certification System 115V

Notes