# ProGrip 5-in-1 Fibre Optic Stripper

#### FEATURES

- Precision ground stripping cavities for:
  - 2.0 2.4mm outer jacket
  - 2.0 3.0mm loose tube
  - 2.8 3.0mm outer jacket
  - 900 $\mu m$  buffer insulation
  - 900/125µm and 250/125µm buffer/acrylate
- Factory calibrated
- Dual-durometer ProGrips for improved comfort and control

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52055935	PA1171	Pro-Grip Stripper, 5-in-1 Fibre Optic



# ProGrip 3-in-1 Fibre Optic Stripper

#### **FEATURES**

- Precision ground stripping cavities for:
  - 2.0mm outer jacket
  - 900µm buffer insulation
  - 250/125µm buffer/acrylate
- Factory calibrated
- Dual-durometer ProGrips for improved comfort and control

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52055938	PA1177	Pro-Grip Stripper, 3-in-1 Fibre Optic



### **Pro-Plus Wire Stripper**

#### FEATURES

- High grade stainless steel lasts 5X longer
- Precision ground stripping holes offer easy, consistent jacket removal
- Strips 10-18 AWG Solid and 12-20 AWG Stranded conductors
- Cleanly shears 6-32 and 8-32 bolts
- · Crimps 16-10 insulated and non-insulated terminals
- Multiple functions include plier nose, strippers, cutter, looping holes, crimper, boltre-thread/shear and spring back with low profile lock
- High Grade knives resist chipping and marring
- Looping holes and serrated nose for bending, pulling and shaping wires
- · Long-life spring and low-profile lock for quick, repetitive stripping and cutting
- Vinyl cushion grip resists slipping and has an ergonomic fit

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52064582	01361	Stripper Wire (1955SS) (POP)



# **Economy Kevlar® Cutter**

#### FEATURES

- Cut protective Kevlar<sup>®</sup> strands in fibre optic cable
- Hard-chromed serrated edges to easily cut through Kevlar<sup>®</sup>
- Comfortable handles with large finger openings

#### **ORDERING INFORMATION**

PART No.	CAT. No.	DESCRIPTION
52051283	PA1511	Kevlar <sup>®</sup> Cutter

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

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



### **Economy Fibre Optic Stripper**

#### FEATURES

PART No.

52050605

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

• Pre-calibrated and factory set to ensure precision

CAT. No.

PA1162

- Bright orange rubber dipped handles
- Lock closure for safety and transport

**ORDERING INFORMATION** 

Strips 2.0 to 3.0mm fibre jacket, 900µm buffer and 125µm acrylate

DESCRIPTION

Stripper Fibre Optic 3-Level-retail

Spring loaded closure with distance stops

### **Pocket Cable Stripper**

#### FEATURES

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

# ORDERING INFORMATION PART No. CAT. No. DESCRIPTION 52040895 1903 Pocket Cable Stripper 50079158 07915 Cutting Blades (Pack of 2)

#### SPECIFICATIONS

Weight 0.25lbs (113g)



### **Universal Slitter**

#### FEATURES

- Strips and slits 0.18 to 1.40 Inch (4.5-25mm) diameter Round Cables
- Precision stripping and slitting of rubber, PVC, nylon and most insulation materials
- · Adjustable depth of cut
- · Circumferential, longitudinal and spiral cuts
- · Cable is supported during use
- Cable support arm edge is used to pry off thick insulation
- Laser-trimmed, stainless-steel blade for long use
- A perfect tool for mid-point taps
- Spare blade included

#### **ORDERING INFORMATION**

PART No.	CAT. No.	DESCRIPTION
52050604	PA1822	Cable Slitter 0.18-1.40 Inch Clamshell
52050563	PA2109	Replacement Blade (Qty 2)

#### SPECIFICATIONS

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



### **Round Cable Cutters**

#### FEATURES

- To cut fibre outer cable jacket
- · Cuts solid or stranded cable up to AWG 6
- · Precise and effortless cuts
- · Round cutting form minimises cable deformation
- Both are ideal for UTP and Coax, RG58, RG59 and RG6/6Q; Use PA1175 for RG7 and RG11

#### ORDERING INFORMATION

PART No.	CAT. No.	DESCRIPTION
52055936	PA1175	Pro-Grip Cutter, Contour Cable Cutter
52055940	PA1179	Pro-Grip Cutter, Dual Contour Cable Cutter



### **Pocket Probe Pick**

#### FEATURES

Probe pick for pulling wire, slicing, stripping cable and cleaning debris off terminal panels. Small and lightweight. Pen-sized with clip for carrying in pocket.

- Spudger tip
- Wire hook
- Wire stripper and slitting tooth
- Non-conductive scraping tip

#### ORDERING INFORMATION

PART No.	CAT. No.	DESCRIPTION
52049188	PA1915	Pocket Probe Pick/Blister

#### **SPECIFICATIONS**

Weight 3oz. (86g)

Length 6.5" (166mm)



## **Ultimate Fibre Tool Kit**

#### FEATURES

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

ORDERING INFORMATION				
PART No.	CAT. No.	DESCRIPTION		
52050427	PA4924	Ultimate Fibre Tool Kit		
SPECIFICATIONS				
Dimensions	10.5" W x 10.	5" L x 9.5" D		
	267mm W x 2	267mm L x 241mm D		
Weight	5.65lbs. (2.56	δkg)		
Ultimate fibre tool Kit Includes				
PA1511	Kevlar® Cutter	r		
PA1171	ProGrip 5-in-1	I Fibre Optic Stripper		
PA1162	Economy Fibro	e Optic Stripper		
PA1161	Adjustable Jac	Adjustable Jacket Stripper		
PA1820	AM 25 Slitter			
PA1821	AM 35 Slitter			
PA1258	LC CST-mini Stripper			
PA1600	1600 Series Crimp Frame			
PA2044	STII Type Die Set			
PA2664	SMA/SMB/FC/BICONIC Die Set			
PA2668	SC & ST Die Set			
PA1922-1	Fibre Optic Sc	Fibre Optic Scribe		
PA1920-1	SC/ST/FC Polishing Puck			
PA1926-1	LC Polishing F	Puck		
N/A	Plano <sup>®</sup> Tackle	Plano® Tackle Box		
PA4923	Ultimate Tool Bag			



### **FiberReady Tool Kit**

#### FEATURES

This kit contains an assortment of cable slitters, strippers and Kevlar<sup> $\odot$ </sup> cutters to prep fibre optic cable along with our 1600 Series premium crimper with interchangeable dies.

ORDERING INFORMATION				
PART No.	CAT. No.	DESCRIPTION		
52050428	PA906001	FiberReady Tool Kit		
SPECIFICATIONS				
Dimensions	11.7 "W x 8.2	2" L x 3.3" D		
	297mm W x 2	208mm L x 84mm D		
Weight	3.1lbs. (1.41k	3.1lbs. (1.41kg)		
FIBERREADY Tool Kit Includ	es			
PA1511	Kevlar® Cutte	Kevlar® Cutter		
PA1171	ProGrip 5-in-	ProGrip 5-in-1 Fibre Optic Stripper		
PA1822	Universal Cab	Universal Cable Stripper		
PA1600	1600 Series (	1600 Series Crimp Frame		
PA2044	STII Type Die	STII Type Die Set		
PA2664	SMA/SMB/FC	SMA/SMB/FC/BICONIC Die Set		
PA2668	SC & ST Die S	SC & ST Die Set		
N/A	Zippered Port	Zippered Portfolio Case with Handles		



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

### Introduction

Greenlee Communications Ltd is pleased to be partnering with ITW Chemtronics<sup>®</sup> to provide cleaning products which compliment our test equipment and provide a complete solution for the installation and maintenance of fibre networks, covering requirements to Inspect, Clean & Test.

FOCCUS<sup>™</sup> - Fibre Optic Combination Cleaning Universal Systems<sup>™</sup> – Why is it important?

Over the last decade we have not only seen an increasing demand for speed of transmission but also a requirement for delivery of larger and larger amounts of data. Rapidly growing demand for high speed internet access, Home Entertainment, IPTV, HD and gaming is adding to the increasing bandwidth requirements of business transmissions and back-haul for mobile transmission. More and more, this is being supported by fibre as the fastest transmission media.

However, the fastest link is also the potential weakest link. Soiled connections or those that are not cleaned effectively can reduce transmission speeds.

Precision cleaning a fibre optic connection is the first step to network reliability and ultimately customer satisfaction.

If there is a weak link in a fibre optic network or installation it is likely to be the condition of the end-face of the fibre connector as the signal passes through it.

There are a wide range of potential contaminants or soils that can cause problems on a fibre end-face – not all contaminants are simply dust. These contaminants can extend to the vertical part of the ferrule and can migrate to the contact area where the fibre connectors mate.

What you need is a simple, repeatable cleaning method that removes all potential soils quickly and effectively.

This is provided by the Combination Cleaning Process<sup>™</sup>, which uses a small amount of precision solvent and automatically dries the end face as an integral part of the cleaning operation. The high-reliability, first time cleaning of the Combination Cleaning Process<sup>™</sup> provides a safety net for the installer.

#### The Significance of Solvent Selection:

- The best selection is one that cleans the widest range of soils not just dust
- The best performing cleaning solvents are precision hydrocarbons such as Electro-Wash™ "PX" or "MX". A solvent based on HFE7100 and IPA is not as effective
- Even 99.9% proof IPA does not remove all soils it is chemically disadvantaged
- The future of global precision cleaning may be an Aqueous Cleaner such as Fiber-Wash<sup>™</sup> (which is patented)

### **Cleaning Kits**

### CFK1013 I&M Cleaning Kit

ORDERING INFORMATION				
PART No.	CAT. No.	DESCRIPTION		
52061805	CFK1013	I&M Cleaning Kit		
CONTAINS				
• 1 QbE <sup>®</sup> Cleaning Platform			<ul> <li>5 Electro-Wash<sup>®</sup> MX pre-saturated wipes</li> </ul>	
• 2 Electro-Wash <sup>®</sup> MX Precision Cleaning Pens		Cleaning Pens	Lint-free Wipes	
<ul> <li>50 x 2.5mm Swabs with X'Tenders™</li> </ul>		ders™	<ul> <li>Instructions &amp; Carry Case</li> </ul>	

### CFK1003 Construction Kit (for fusion splicing applications)

ORDERING INFORMATION			
PART No.	CAT. No.	DESCRIPTION	
52063012 CFK1003 Construction Kit (for fusion splicing applications)			
CFK1003 – Include	s all products ne	cessary to clean fusion splicers and fibre optic connectors and cables.	

The precision hydrocarbon cleaning solvent included in the kit may improve electrode life.

#### CONTAINS

- 1 QbE<sup>®</sup> Cleaning Platform
- 1 x Fusion Splice Mirror Cleaning Swabs
- 2 Electro-Wash® MX Precision Cleaning Pens
- 50 x V-Groove and Ferrule Cleaning Swabs
- 50 x 2.5mm Swabs with X'Tenders<sup>™</sup>
- 5 Electro-Wash<sup>®</sup> MX pre-saturated wipes
- Lint-free Wipes
- Instructions and Carry Case

### CFK-1202 FTTx Cleaning Kit

ORDERING INFORMATION			
PART No.	CAT. No.	DESCRIPTION	
52063013	CFK1202	FTTx Cleaning Kit	

CFK1202 – For FTTx applications – Includes swabs, wipes and cleaning solvents for ALL end face cleaning needs. The pQbE<sup>®</sup> platform cleans SC/LC (UPC and APC), MTP<sup>®</sup> type, Corning<sup>®</sup> OptiFit<sup>®</sup> and E2000 Geometry connectors.

CONTAINS	
<ul> <li>1 pQbE<sup>®</sup> Cleaning Platform</li> </ul>	<ul> <li>25 "MT" Type Swab Tools</li> </ul>
<ul> <li>2 Electro-Wash<sup>®</sup> MX Precision Cleaning Pens</li> </ul>	<ul> <li>5 Electro-Wash<sup>®</sup> MX pre-saturated wipes</li> </ul>
<ul> <li>100 2.5mm Swabs with X'Tenders™</li> </ul>	Lint-free Wipes
<ul> <li>50 x 1.25mm Precision Swab Tools</li> </ul>	<ul> <li>Instructions and Carry Case</li> </ul>

### CCK-01 Combination Cleaning™ Kit

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52060687	CCK-01	Combination Cleaning <sup>™</sup> Kit Contains 1 MX Pen & 1 SqR <sup>™</sup>

CCK-01 – Combination Cleaning™ "To-go". The compact Kit includes both cleaning solvent and platform, which fits easily into a tool box, equipment case or pocket.

### CCK-03 Combination Cleaning™ Kit

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52060963	CCK-03	Combination Cleaning™ Kit Contains 1 MX Pen, 1 SqR™ & 2.5mm Swabs

CCK-03 - Compact and portable kit - includes swabs, wipes and solvent for end face cleaning



Kit contents will vary - please see information provided below



#### **Connector Cleaning Platforms** - Portable and efficient, complete removal of microscopic contaminents



### QbE Cleaning Platform - Large, flat continuous FiberSafe™ cleaning platen

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52061801	QbE	Cleaning Platform

QbE<sup>®</sup> - The original device for the Combination Cleaning Process<sup>™</sup>. To be used with the Electro-Wash<sup>®</sup> MX Pen or Fiber-Wash<sup>™</sup> Pen, the QbE<sup>®</sup> has the largest cleaning surface of any fibre optic cleaning platform. 200 wipes can clean up to 800 end faces using the Combination Cleaning Process<sup>™</sup>.

### pQbE Cleaning Platform - Precision wipe platform for cleaning recessed fibre optic end faces

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52061802	pQbE	Cleaning Platform

pQbE<sup>®</sup> - Combination Cleaning Process<sup>™</sup> - use with Electro-Wash<sup>®</sup> MX Pen or Fiber-Wash<sup>™</sup> Pen. The see through package shows the remaining wipes, whilst the water-proof packaging is weather resistant, is pocket sized and includes a convenient clip to attach a tool belt.

For FTTX applications, the pQbE<sup>®</sup> unique platen enables cleaning of the vertical as well as the end-face of the ferrule and will clean SC/LC (UPC and APC), MT-type, Optifit<sup>®</sup> and E-2000 end-faces. Raised, ridged FiberSafe<sup>TM</sup> cleaning platen, conforms to recessed connectors end face. Contains 200 wipes.

### QbE<sup>®</sup>-QS Aqueous Cleaning Platform - Includes an easy-to-use, integrated cleaning solvent

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52063014	QbE-QS	Cleaning Platform

QbE<sup>®</sup>-QS - Includes an easy-to-use, integrated cleaning solvent – the Fiber-Wash<sup>™</sup> Aqueous Cleaner works as well as precision hydrocarbons on a wide range of contaminants. Includes an onboard moistening system, with the Fiber-Wash<sup>™</sup> Aqueous Cleaner. Contains 200 wipes.

### QbE<sup>®</sup>-2 Cleaning Platform - Precision wipe platform for fibre optic end faces

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52066140	QbE-2	200 Wipe Cleaning Platform

QbE®-2 - Combination Cleaning Process<sup>TM</sup> - use with Electro-Wash<sup>®</sup> MX Pen or Fiber-Wash<sup>TM</sup> Pen. The see through package shows the remaining wipes, whilst the water-proof packaging is weather resistant, is pocket sized and includes a convenient clip to attach a tool belt. Contains 200 wipes.

### **Cleaning Pens**



### Electro-Wash<sup>®</sup> MX Precision Cleaning Pen

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52061803	FW2150	Electro-Wash® MX Precision Cleaning Pen

A high-performance precision hydrocarbon, which outperforms most HFE-7100 solvents cleaning the widest range of contaminants, with approximately 300 applications (<1ml) per pen.

### **Cleaning Wipes**

### FSA Splice Wipes (Aqueous) - Impregnated lint free wipes

ORDERING INFORMATION		
PART No.	CAT. No.	DESCRIPTION
52066141	FSA Splice Wipes	75 Impregnated lint free wipes

Aqueous impregnated wipe eliminating the need for Isopropol Alcohol (IPA). A useful tool in the preparation of fibre prior to splicing.



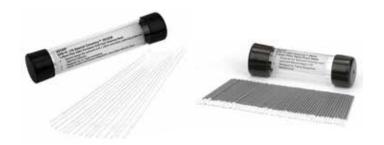
### Fiber-Wash<sup>™</sup> Aqueous Fibre Optic Cleaning Pen

ORDERING INFORMATION			
PART No.	CAT. No.	DESCRIPTION	
52061804	FW2190	Aqueous Fibre Optic Cleaning Pen	

Works as well as the precision hydrocarbon MX Pen on a wide range of contaminants, with approximately 300 applications (<1ml) per pen.



### **Cleaning Swabs**



ORDERING INFORMATION			
PART No. CAT. No. DESCRIPTION		DESCRIPTION	
52060964	48042F	2.5mm Reticulated Foam Precision Swab (Tube of 50) 6.8cm in length	
52060965	25125F	1.25mm Swabs (Tube of 15) 15cm in length	
52066138	25183	2.5mm Fibre Optic Swab (100) 15cm in length	
52066139	39         25123X         1.25mm Fibre Optic Swab (100) 15cm in length		

FOCCUS<sup>™</sup>, Fibre Optic Combination Cleaning Universal Systems<sup>™</sup>, Combination Cleaning Process<sup>™</sup>, X'Tenders<sup>™</sup>, and Fiber-Wash<sup>™</sup> are trademarks of ITW Chemtronics. All rights reserved. Chemtronics<sup>®</sup>, QbE<sup>®</sup>, and Electro-Wash<sup>®</sup> are registered trademarks of ITW Chemtronics. All rights reserved.

### **Fibre Cleaning Pen**

#### FEATURES

- Cleans 2.5mm & 1.25 mm ferrules and bulkheads
- Compact, easy-to-use single click operation
- Rated for 800 cleaning cycles
- Anti-static design prevents secondary contamination

#### **ORDERING INFORMATION**

PART No.	CAT. No.	DESCRIPTION
52073250	FCP-2.5	2.5mm Cleaning Pen
52073249 FCP-1.25 1.		1.25mm Cleaning Pen

#### **SPECIFICATIONS**

Ferrule & Connector Sizes		2.5mm and 1.25mm		
Weight		1 oz (20g)		
Dimensions		7.1" x 0.7" x 0.7" (180mm x 18mm x 18mm)		
	Working Temperature	-10°C to +50°C		
	Storage Temperature	-30 °C to +70 °C		



### **Connector Cleaning System (Dry Method)**

#### **FEATURES**

- Special lint-free fabric-on-a-reel quickly cleans ferrule endfaces of dust, oil and other contaminants
- · Cleaning system is completely self-contained
- Dry Cleaning Method
- A single cleaning reel can be used for over 400 ferrule cleanings
- ReelCleaner<sup>™</sup> can be used on all connector types including MTP and MT-RJ

#### ORDERING INFORMATION

PART No.	CAT. No.	DESCRIPTION
50606925 60692 948		Reel Cleaner Connector Cleaning System
50107925 10792 948/2		Replacement Reel Set 2 Pack



### **Adaptor Cleaning Wands**

#### FEATURES

 Specially-created, lint-free materials clean hard-to-reach fibre optic interfaces, bulkhead adaptors and ferrule alignment sleeves

ORDERING INFORMATION				
PART No. CAT. No.		DESCRIPTION		
50605713	60571	946 Fibre Adaptor Cleaning Wands/PK 10		
50606895	60689	946/K Adaptor Cleaning Wands 200PC		
50606901	60690	947 Adaptor Cleaning Wands Pack of 10 PCS		
50606918	60691	947/K Wand, Cleaning, 1.25mm, Box/200		



## **Fibre Optic Scribe**

#### FEATURES

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

#### ORDERING INFORMATION

	PART No. CAT. No.		DESCRIPTION	
	52050965	PA1922-1	Fibre Optic Carbide Scribe	

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



# **Fibre Optic Polishing Pucks**

#### FEATURES

- Manufactured from aluminium with tungsten coating
- Cleaner than conventional plastic pucks because less debris left behind
- Double the lifetime of conventional plastic pucks

ORDERING INFORMATION			
PART No.	CAT. No.	DESCRIPTION	
52051275	PA1920-1	Polishing Puck Fibre (ST, FC)	
52051276 PA1926-1		Polishing Puck Fibre (LC)	

#### SPECIFICATIONS

Weight 2oz. (57g)

Length 7.75" (197mm)



### Fibre Optic Co-Polymer Polishing Puck

#### **FEATURES**

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

ORDERING INFORMATION				
PART No. CAT. No.		DESCRIPTION		
50455982	45598	Fibre Optic Co-Polymer Polishing Puck		



### Fibre Optic Stainless Steel Polishing Puck

#### FEATURES

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

ORDERING INFORMATION			
PART No. CAT. No.		DESCRIPTION	
50455990	45599	Fibre Optic Stainless Steel Polishing Puck	



### **Fibre Optic Polishing Pad**

#### FEATURES

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

ORDERING INFORMATION				
PART No. CAT. No.		DESCRIPTION		
50456126	45612	Fibre Optic Polishing Pad		



Notes		

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