



Precision Rated Optics

Work with a PRO!

FTTH *Go-Kit*[®] Tool Kit

Kit for Splicing & Testing FTTx Installs



Convenient, All-in-One Go-Kit[®] Stores Everything You Need

- Active Cladding Alignment Fusion Splicer provides a low cost and effective solution for FTTH splicing applications.
 - 5-inch high-resolution color LCD touch screen with user-friendly interface offers large and clear fiber images.
- Lightweight and rugged optical fault locator provides quick results with graphical output
- Multiple Cleaning Methods
 - Easy-to-use Quick-Click™ for endface and bulkhead cleaning
 - No-residue water-based cleaning spray is eco-friendly and static-eliminating
- Quickly locate sharp bends and breaks near the end of a cable with visual fault locator

GOK-FTTX-K3 KIT INCLUDES

- OFS-943V Active Clad-Align Splicer
- OFL-301B Optical Fault Locator
- VFL-5 Visual Fault Locator
- OFI-30 Optical Fiber Identifier

Cleaning Supplies

- 1.25mm & 2.5mm Quick-Click™ Bulkhead Cleaner
- PRO-CC-AQ Water Based Cleaner Spray
- PRO-LFW-100 Lint Free Wipes
- PRO-CT-001 Cassette Cleaner
- and More!



P/N: GOK-FTTX-K3 v.2.22.18

www.PrecisionRatedOptics.com

Tel: (888) 545-1254 • Fax: (415) 358-4602 • Email: Sales@PrecisionRatedOptics.com



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FTTH Go-Kit Contents

OFS-943V *Cladding Align Fusion Splicer*



The OFS-943V, an active clad-alignment splicer with the world's highest fiber image magnification rate, is the most dependable fusion splicer in the market. Includes a 5 inch high-resolution color LCD touch screen with user-friendly intuitive GUI (Graphic User Interface) offers large and clear fiber images to users. By double-tapping the screen, users can Zoom In & Out the image to the world's highest magnification of 520x.

- Active V-Groove Clad Alignment Splicing Method
- 5" Color LCD Touch Screen
- Detachable SOC Holder and Heating Oven
- 3 Bright LEDs and Illuminated Keypads For Dark Environment
- High Capacity Battery

OFL-301B *Optical Fault Locator*



The OFL-301B is a high-performance, easy-to-use diagnostic tool designed for fiber maintenance, locating faults and general troubleshooting. The OFL-301B utilizes much of the same technology used in an OTDR, such as a graphical representation of the fault location, but at a much lower price point than an OTDR.

Up to 1,000 test results can be stored onboard and later transferred to a PC, via a built-in USB port. The onscreen interface has been engineered for ease of use and utilizes convenient "Hot Keys" for quick, simple testing.

Water, shock and dustproof, the OFL-301B is reliable and built to last. The unit will operate for up to 8 hours on the included NiMH rechargeable battery and includes an AC/DC adapter.

- Quick One-Button Fault Detection and Diagnosis
- High-Definition Graphical Interface
- "Hot Keys" and One-Button Testing

VFL-5 *Visual Fault Locator*



The VFL-5 is a compact, powerful Visual Fault Locator with an output power of up to 1mW. The VFL-5 can be used to detect sharp bends and breaks in jacketed or bare fiber. It can also be used to identify connectors in patch panels or to identify fibers during splicing operations.

Sold, serviced & supported in the USA, the VFL-5 is an essential tool that should be included in every fiber technician's toolkit. The VFL-5 comes standard with a 1-year warranty and soft carrying case.

- Compact, Durable Construction
- 1mW Output Power
- Includes Soft Carrying Case

OFI-30 *Optical Fiber Identifier*



The OFI-30 Optical Fiber Identifier is a rugged, all-metal, easy-to-use installation and maintenance instrument, which can detect low frequency tones at 270Hz, 1kHz and 2kHz. When traffic is present on the fiber under test, an audible tone can be heard. Fiber traffic direction is indicated by sequential LEDs on the probe.



The Fiber School
Professional Technical Training
www.learnfiber optic.com

Also Check Out...

SPECIFICATIONS

Applicable fiber type	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653)/ NZDS(ITU-T G.655)
Fiber count	Single
Applicable fiber cables	0.25mm - 3.0mm / Indoor cable
Applicable fiber diameter	Cladding diameter: 80-150µm, Coating diameter: 125-1000µm
Splice loss	SM : 0.03dB, MM : 0.02dB, DS : 0.05dB, NZDS : 0.05dB, G.657 : 0.03dB
Splice mode	Maximum 128 splice modes
Splicing time	SM Mode: 9s, Quick mode: 7s
Heat oven	20mm, 30mm, 40mm, 50mm, 60mm
Typical heating time	30s
Heat mode	Various heat modes available
Displaying method	Two cameras and 5.0 inch color LCD monitor
Magnification	520x magnification for single X or Y view, or 520x magnification for both X and Y view.

SPECIFICATIONS

Fiber Type / Wavelength	1310/1550nm (±20nm)
Dynamic Range	30/30dB
Pulse Width	5ns, 10ns, 30ns, 100ns, 300ns, 1µs, 2.5µs, 10µs, 20µs
Event Dead Zone	3.5m
Attenuation Dead Zone	13m
Range of Use	Singlemode Fiber
Emitter Type	LD
Connector	SC/UPC (Interchangeable FC, ST)
Distance Accuracy	± (1m + 5 × 10 ⁻⁵ × Distance + Sampling Space)
Data Storage	1,000 Results
Communication Ports	USB
Power Supply	NiMH Rechargeable Battery / AC Adapter
Battery Life	8 hrs continuous operation, 20 hrs standby (on one charge); recharging time < 4 hrs

SPECIFICATIONS

Wavelength (nm)	650 (±10)
Emitter Type	FP, LD
Connector Type	FC Universal 2.5 mm
Modulated Frequency (Hz)	2
Output Power	1mW / 0 dB
Power Supply	AAA Alkaline Batteries (x2)
Battery Life	> 40 Hours
Operating Temperature	14° F ~ 140° F (-10° C ~ +60° C)
Storage Temperature	14° F ~ 158° F (-10° C ~ +70° C)
Dimensions / Weight	3.9" x 1.2" x 0.7" (100 x 30 x 18 mm) / 0.13 lbs (60 g)

SPECIFICATIONS

	OFI-30	OFI-30-HP
Detector Type	InGaAs	ø1mm InGaAs 2pcs
Optical Power Reading	-50 ~ +10dBm	-30 ~ +24(1550nm)
Power Supply	2x AAA Batteries	2xAAA Batteries
Identified Wavelength Range	800 ~ 1700nm	
Frequencies Detected	(CW) 270Hz (±5%), 1kHz (±5%), 2kHz (±5%)	
Adapter Type	0.25 (Applicable for "Bare" 250 micron fiber) 0.9 (Applicable for 900 micron fiber) 2.0 (Applicable for 2.0mm Cable) 3.0 (Applicable for 3.0mm Cable)	
Signal Direction	Left & Right LED Indicator	
Signal Frequency	270Hz, 1kHz, 2kHz	
Operating Temperature	14° F ~ 122° F (-10° C ~ 50° C)	
Storage Temperature	-13° F ~ 158° F (-25° C ~ 70° C)	
Dimensions & Weight	7.6" x 1.1" x 1" / 0.55lb(195 x 30 x 27 mm / 250g)	

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OFS-943V Fusion Splicer



- Active V-Groove Clad Alignment Splicing Method
- 5" Color LCD Touch Screen
- Detachable SOC Holder and Heating Oven
- 3 Bright LEDs and Illuminated Keypads For Dark Environment
- High Capacity Battery
- Ceramic Clamp for Improved durability
- Easy to Replace Electrodes
- Harsh Weather Conditions Adaptability

OFS-943V Standard Package Includes:

Splicer, High Precision Cleaver, Fiber Holder, SOC Heater Cover, AC Adapter, Cooling Tray, Electrode, Electrode Grinder, Manual and/or download card, Battery Pack, Power Cable, USB Cable, Car Charger, Carrying Case, Supplier's declaration of conformity, Test protocol

Ordering Information

OFS-943V	Active Cladding Alignment Fusion Splicer
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The OFS-943V, an active clad-alignment splicer with the world's highest fiber image magnification rate, is the most dependable fusion splicer in the market. Includes a 5 inch high-resolution color LCD touch screen with user-friendly intuitive GUI (Graphic User Interface) offers large and clear fiber images to users. By double-tapping the screen, users can Zoom In & Out the image to the world's highest magnification of 520x. Moreover, the 3 LED lights provide bright splice condition to the users working under dark environments. The OFS-943V is the new industry standard of active clad-alignment splicer in the telecommunications industry.

SPECIFICATIONS

Applicable fiber type	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653)/ NZDS(ITU-T G.655)
Fiber count	Single
Applicable fiber cables	0.25mm - 3.0mm / Indoor cable
Applicable fiber diameter	Cladding diameter: 80~150µm, Coating diameter: 125~1000µm
Splice loss	SM : 0.03dB, MM : 0.02dB, DS : 0.05dB, NZDS : 0.05dB, G.657 : 0.03dB
Splice mode	Maximum 128 splice modes
Internal splice data storage	2000
Splicing time	SM Mode: 9s, Quick mode: 7s
Heat oven	20mm, 30mm, 40mm, 50mm, 60mm
Typical heating time	30s
Heat mode	Various heat modes available
Displaying method	Two cameras and 5.0 inch color LCD monitor
Magnification	520x magnification for single X or Y view, or 520x magnification for both X and Y view.
Tensile test	1.96-2.25N
Terminals	USB2.0 / MINI USB
Standard AC power voltage	AC 100-240V, 50-60Hz
Standard DC power voltage	DC 9-14V
Size/Weight (HxWxD)	5.98" x 5.78" x 6.88" in / 5.09lb (152 x 147 x 175mm / 2.31kg)
Operating condition	0~5000m above sea level, 0~95% relative humidity, 14~122°F (-10~50°C), 15m/s max wind speed
Storage condition	0~95% relative humidity, -40~176°F(-40~80°C),
Battery	-4~86°F (-20~30°C) for long time storage



Precision Rated Optics

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OFL-301B *Optical Fault Locator*



- Quick One-Button Fault Detection and Diagnosis
- High-Definition Graphical Interface
- “Hot Keys” and One-Button Testing
- Water, Dust and Shock-Proof
- Sold, Serviced and Supported in the USA
- 1 Year Warranty

OFL-301B Standard Package Includes:

OFL, Rechargeable Battery, AC/DC Adapter, Manual and/or Software Download Card, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

Ordering Information

OFL-301B	Optical Fault Locator
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The OFL-301B is a high-performance, easy-to-use diagnostic tool designed for fiber maintenance, locating faults and general troubleshooting. The OFL-301B utilizes much of the same technology used in an OTDR, such as a graphical representation of the fault location, but at a much lower price point than an OTDR.

Up to 1,000 test results can be stored onboard and later transferred to a PC, via a built-in USB port. The onscreen interface has been engineered for ease of use and utilizes convenient “Hot Keys” for quick, simple testing.

Water, shock and dustproof, the OFL-301B is reliable and built to last. The unit will operate for up to 8 hours on the included NiMH rechargeable battery and includes an AC/DC adapter. Sold, serviced and supported in the USA, the OFL-301B is a workhorse, well-suited for inside plant, outside plant and FTTx applications.

SPECIFICATIONS

Fiber Type / Wavelength	1310/1550nm (±20nm)
Dynamic Range	30/30dB
Pulse Width	5ns, 10ns, 30ns, 100ns, 300ns, 1µs, 2.5µs, 10µs, 20µs
Event Dead Zone	3.5m
Attenuation Dead Zone	13m
Range of Use	Singlemode Fiber
Emitter Type	LD
Connector	SC/UFC (Interchangeable FC, ST)
Distance Accuracy	± (1m + 5 × 10 ⁻⁵ × Distance + Sampling Space)
Data Storage	1,000 Results
Communication Ports	USB
Power Supply	NiMH Rechargeable Battery / AC Adapter
Battery Life	8 hrs continuous operation, 20 hrs standby (on one charge); recharging time < 4 hrs
Operating Temperature	-4° F ~ 122° F (-20° C ~ 50° C)
Storage Temperature	-40° F ~ 158° F (-40° C ~ 70° C)
Environmental Conditions	0 ~ 95% RH (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	(8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70mm / 1kg)
Warranty	Standard 1-Year Manufacturer Warranty



Pulse Suppressor

AKA "Launch Boxes"



« Rugged Case

Used in conjunction with an OTDR, the Fiber Optic Pulse Suppressors (AKA "Launch Boxes") eliminate Dead Zones. Dead Zones occur after a reflective event.

The first reflective event (where the OTDR plugs into the bulkhead) will have a 2-5 meter Dead Zone, making it impossible to measure loss from 2-5 meters beyond the event.

The use of a pulse suppressor effectively moves the Dead Zone away from crucial connections and splice points, providing your trace with accurate test results in areas where loss must be calculated. Also, having a second pulse suppressor at the end of the cable under test will enable the OTDR to compare back scatter levels before and after the last reflective event.



Shoulder Pouch »

- Eliminate Dead Zones for Front and Back-End Testing
- Rugged Weatherproof Case or Shoulder Pouch
- Corning Fiber Optic Cable
- Reduce Wear and Tear on OTDR Connectors
- Improves EMD in Multimode Fibers for More Precise Measurements

How to Configure Your Part Number:

PS - M - 100 - FUTU - 1

(PS) - (Fiber Type) - (Meters) - (First Connector) - (Second Connector) - (Style)

Pulse Suppressor	Fiber Type	Fiber Length (Meters)	First Connector	Second Connector	Body Style
PS	Single (S) 9/125	100	FU (UPC) FA (APC)	FU (UPC) FA (APC)	1: ≤ 1K
PS	Multi-Mode (M) 625/125	300	CU (UPC) CA (APC)	CU (UPC) CA (APC)	2: > 1K ≤ 3K
PS	Multi-Mode (N) 50/125	500	TU (UPC)	TU (UPC)	B: Shoulder Pouch
PS	Multi-Mode (L) OM3	1K	LU (UPC) LA (APC)	LU (UPC) LA (APC)	
PS	Multi-Mode (R) OM4	2K			



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VFL-5

Visual Fault Locator



The VFL-5 is a compact, powerful Visual Fault Locator with an output power of up to 1mW. The VFL-5 can be used to detect sharp bends and breaks in jacketed or bare fiber. It can also be used to identify connectors in patch panels or to identify fibers during splicing operations.

Sold, serviced & supported in the USA, the VFL-5 is an essential tool that should be included in every fiber technician's toolkit. The VFL-5 comes standard with a 1-year warranty and soft carrying case.

- Compact, Durable Construction
- 1mw Output Power
- Includes Soft Carrying Case

SPECIFICATIONS

Wavelength (nm)	650 (±10)
Emitter Type	FP, LD
Connector Type	FC Universal 2.5 mm
Modulated Frequency (Hz)	2
Output Power	1mW/0dB
Power Supply	AAA Alkaline Batteries (x2)
Battery Life	> 40 Hours
Operating Temperature	14° F ~ 140° F (-10° C ~ +60° C)
Storage Temperature	14° F ~ 158° F (-10° C ~ +70° C)
Dimension (LxWxH)	3.9" x 1.2" x 0.7" (100 x 30 x 18 mm)
Weight	0.13 lbs (60 g)
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)

VFL-5 Standard Package Includes:

Visual Fault Locator, SC/PC, ST/PC, FC/PC Adapters, User Manual, AC/DC Power Adapter, Test Report, Carrying Case

Ordering Information

VFL-5	VFL-5 Visual Fault Locator
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OFI-30 Series

Optical Fiber Identifier



The OFI-30 Optical Fiber Identifier is a rugged, all-metal, easy-to-use installation and maintenance instrument, which can detect low frequency tones at 270Hz, 1kHz and 2kHz. When traffic is present on the fiber under test, an audible tone can be heard. Fiber traffic direction is indicated by sequential LEDs on the probe.

By utilizing local detection technology (non-destructive macrobend detection which does not damage or overstress the fiber) the unit eliminates the need to open the fiber at the splice point for identification, eliminating the probability of interrupting service.

Sold, serviced and supported in the USA, the OFI-30 comes standard with a 1-Year manufacturer's warranty and includes 0.25mm, 0.9mm, 2.0mm and 3.0mm to satisfy various optical cables.

- All-Metal Construction.
- Identifies Traffic at 270Hz, 1KHz, 2KHz
- Core-Power Display of the Fibers (-50 ~ +10dBm)
- Very Low-Loss (Fiber Attenuation) when Testing is in Process
- Included Adapters: 0.25mm, 0.9mm, 2.0mm and 3.0mm

SPECIFICATIONS

	OFI-30	OFI-30-HP
Detector Type	InGaAs	ø1mm InGaAs 2pcs
Optical Power Reading	-50 ~ +10dBm	-30 ~ +24(1550nm)
Power Supply	2x AAA Batteries	2xAAA Batteries
Identified Wavelength Range	800 ~ 1700nm	
Frequencies Detected	(CW) 270Hz (±5%), 1kHz (±5%), 2kHz (±5%)	
Adapter Type	0.25 (Applicable for "Bare" 250 micron fiber) 0.9 (Applicable for 900 micron fiber) 2.0 (Applicable for 2.0mm Cable) 3.0 (Applicable for 3.0mm Cable)	
Signal Direction	Left & Right LED Indicator	
Signal Frequency	270Hz, 1kHz, 2kHz	
Operating Temperature	14° F ~ 122° F (-10° C ~ 50° C)	
Storage Temperature	-13° F ~ 158° F (-25° C ~ 70° C)	
Dimensions & Weight	7.6" x 1.1" x 1" / 0.55lb(195 x 30 x 27 mm / 250g)	
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)	

OFI-30 Series Standard Package Includes:

Optical Fiber Identifier, Adapters (0.25mm, 0.9mm, 2.0mm and 3.0mm), Batteries, User Manual, Soft Carrying Case

Ordering Information

OFI-30	OFI-30 Optical Fiber Identifier
OFI-30-HP	OFI-30 Optical Fiber Identifier High Power



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GOK-ACC-STD

Go-Kit Standard Accessories



Go-Kit Standard Accessories (GOK-ACC-STD)

Cleaning Supplies & Tools

PC-S-ACUCU01F	SC/UPC - Simplex (9um) - 1 meter	PRO-TC1	SqueezyKleen Telcom Cleaner Satur. Wipes	PRO-0008	Electrical Tape
PC-S-ACACU01F	SC/APC-SC/UPC PC Simplex SM9 3mm 1M	CS-250	PRO Cleaning Stick - 2.5mm (SC)	10-099H	Utility Knife
PC-S-AFUCU01F	FC-SC Simplex SM UPC Patchcord 1 Meter	CS-125	PRO Cleaning Stick - 1.25mm (LC)	SR-101	Seam Ripper
PC-S-CLUCU01F	LC/UPC-SC/UPC PC Simplex SM9 2mm 1M	CST-1900	Round Cable Stripper	SMART-STRIP	Buffer Tube Stripper
CA-S-LC-S6DPZ	Mating Sleeve LC/UPC SM Duplex (Z)	JIC-186	Kevlar Shears	KN-7	Ergonomic Cable Splicing Knife
CA-S-SC-S5SPZ	Mating Sleeve SC/UPC SM Simplex (Z)	80785	Mid Span Access Tool	AA-SA	Stainless Steel Tweezers
CA-S-SC-A5SPZ	Mating Sleeve SC/APC SM, Flanged Simplex	PRO-CT-001	Cassette Cleaner	JIC-375	Tri Hole Strippers
PRO-LFW-100	PRO-LFW-100 Lint-free Wipe (100ct.)	PRO-CW34	Fiber Optic Clean Wipes	PRO-CABLERAIDER	PRO Fiber Cable Outside Jacket Remover
PRO-CC-AQ	PRO-CC-AQ Connector Cleaner Water Base	PRO-FSC-200	Fiber Scrap Container	PRO-METL	PRO Technician's Tool Bag

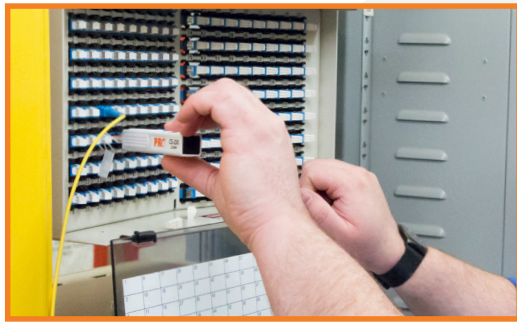


Precision Rated Optics

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Quick-Click™

1.25mm & 2.5mm Bulkhead Cleaner



The PRO “Quick-Click” is a mechanical cleaning tool designed to clean connectors residing in an adaptor, faceplate or unmated connector. The PRO CS-125 can clean LC and MU connectors. The CS-250 can clean SC, ST, FC and E2000 connectors. Both models can accommodate PC and APC polishes.

A simple pushing motion engages the tool, and a “click” can be heard, which alerts the operator that the tool is fully engaged. Because the Quick-Click does not use solvents, cleaning is instantaneous and there are no solvents to replace.

The PRO Quick-Click tools are sold, serviced and supported in the USA, are RoHS compliant, good for over 800 cleaning operations and are impact-resistant to 250N.

Applications

- Telecom Central Offices
- Data Centers
- Cable Television Head-End
- Outside Plant and FTTx
- Fiber Optic Broadcasting Including HDTV
- Fiber Optic Satellite Communication System

Effective Against Following Contaminates

- Skin Oil Residue
- Salt Water Residue
- Alcohol Residue
- Distilled Water Residue
- Graphite
- T-Shirt Lint

- Simple Pushing Motion to Engage Tool
- Audible CLICK to Alert the Operator When The Tool is Fully Engaged
- Over 800+ Cleanings per Unit
- Dry Cleaning Material Eliminates the Need for Solvents
- Crush-Resistant to Over 250N

SPECIFICATIONS

CS-125	CS-250
Cleans LC and MU with PC and APC Polishes	Cleans SC, ST, FC and E2000 Connectors with PC and APC Polishes
800+ Cleanings per Unit	
Cleans Connectors Loaded in a Bulkhead Adapter and on Unmated Cable Assemblies	
RoHS Compliant	

Ordering Information

CS-125	1.25mm Bulkhead Cleaner
CS-250	2.5mm Bulkhead Cleaner



Precision Rated Optics

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PRO-CC-AQ

Fiber Optic Cleaner

The PRO-CC-AQ Fiber Optic Cleaner is a water-based, non-toxic, static-eliminating, no-residue cleaning spray designed to clean bulkheads and ferrules. PRO-CC-AQ Fiber Cleaner is formulated for cleaning fiber-optic cables and endfaces. This Fiber Optic Cleaner dissipates static to remove surface charges so that the surface is less likely to be re-contaminated. PRO-CC-AQ is able to lift dust, buffer gel, lint, finger prints, & oils from precision parts.



Features

- Eco Friendly, Non-Toxic
- Water-based
- Dissipates Static
- No Residue
- Non-Flammable

Applications

- Endfaces
- SM & MM Fiber
- Ferrules
- Bulkheads
- Lenses and Mirrors

SPECIFICATIONS

Operating Temperature	20°F ~ 120°F (-5°C ~ 50°C)
Storage/Shelf Life	Keep closed when not in use, 2 years
Boiling Point	212°F (100°C)
Freezing Point	32°F (0°C)
RoHS	Compliant

PRO-LFW-100

Lint Free Wipes

Precision Rated Optics PRO-LFW-100 lint free clean wipe is designed to clean fibers and connector end-faces with alcohol and other cleaning products without leaving anything behind. Thickness: 0.26+/- 0.05mm, Absorptive 560%

