

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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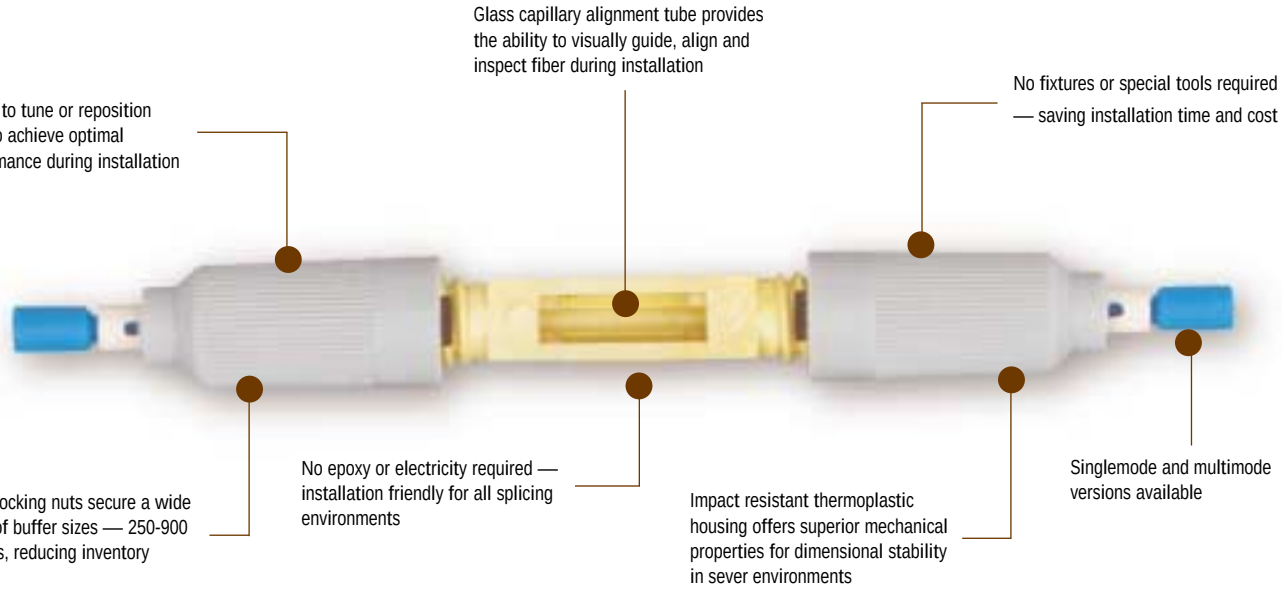
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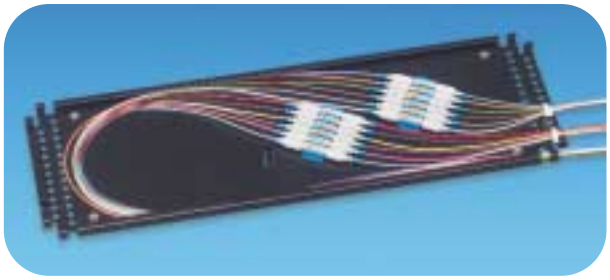
Siemon Fiber Optic Splicing Products

ULTRAsplice®

The patented ULTRAsplice® is a high performance, cost effective, mechanical fiber optic splice that is reusable and easy to install for emergency or permanent installations. The splice features a patented glass capillary alignment tube, pre-loaded with index matching gel, to allow inspection of fiber location during installation. Additionally, the collet locking nuts allow users to adjust and secure the fiber for optimum alignment and retention.

PATENTED





The ULTRAsplice® mechanical splices are fully compatible with Siemon fiber splice trays



The glass capillary allows inspection of fiber mis-alignments. Using the Visual Fault Locator (P/N: FT-VFL), a light will amplify the fiber mis-alignment point and allow the user to fine tune the splice



The Visual Fault Locator assists in properly aligning fibers when performing mechanical splices (P/N: FT-VFL)



When fibers are properly aligned, no light will be visible. This feature allows the installer to obtain a low loss splice quickly and efficiently

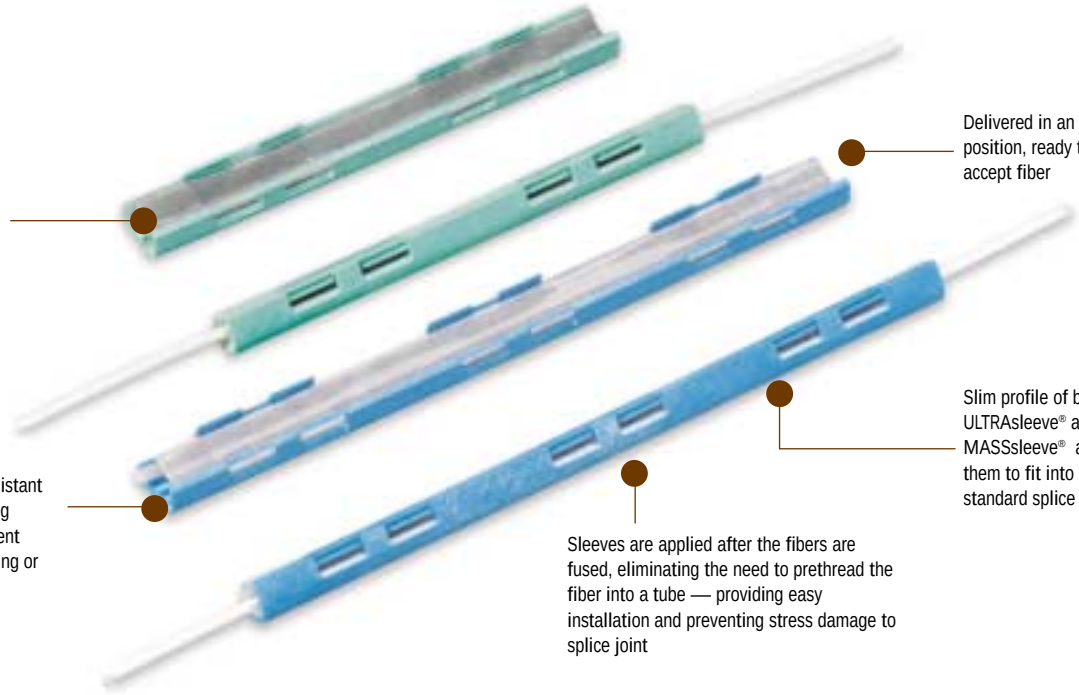
SIEMON cabling® SYSTEM

ULTRAsleeve® and MASSsleeve®

The patented ULTRAsleeve® and MASSsleeve® are cost effective, fiber fusion splice protectors. The sleeves are easy to install and require no heat shrink, curing, crimping or gluing, which reduce installation time and cost.

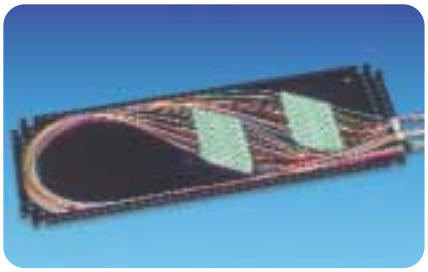
The ULTRAsleeve® fusion splice protector can accept a range of fiber buffer sizes 250-900 microns for a single fiber or up to a 4 fused ribbon fiber. The MASSsleeve® fusion splice protector can accept 2-12 fused ribbon fiber. The ULTRAsleeve® and MASSsleeve® are manufactured with an acrylic foam tape to seal against environmental conditions and improve long term splice reliability. The impact resistant plastic housing has two sections that fold along a hinge. They are delivered in an open position, ready to accept the fused fiber — simply load the fused fiber and close the sleeve. This process secures the protector and compresses the acrylic foam providing a hermetic seal to protect the fused fiber.

PATENTED





The MASSsleeve® fusion splice protector can accept 2-12 fused ribbon fiber



Our aluminum fiber splice trays manage and protect fusion splices and come with a snap-on, clear cover



MASSsleeve® closing tool is required to insure proper installation. The tool's soft form holder and alignment pins assure accurate alignment every time



ULTRAsleeve® splice protectors can be closed by hand, but when installing large quantities of ULTRAsleeve® protectors, this closing tool is invaluable

Ordering Information & Specifications

ULTRAsleeve®:





FS-40 .....40mm (1.57 in.), fusion splice protection cover for 12mm (0.47 in.) or less strip length

FS-60 .....60mm (2.36 in.), fusion splice protection cover for strip length over 12mm (0.47 in.)

MASSsleeve®:



MFS .....40mm (1.57 in.), fusion splice protection cover for fused ribbon fiber

ULTRAsleeve® Closing Tool:

FSCT1 .....ULTRAsleeve® closing tool V.2
90mm (35 in.) L x 55mm (2.3 in.) W x 35mm (1.4 in.) H

MASSsleeve® Closing Tool:

MFSCT .....MASSsleeve® closing tool
115mm (4.5 in.) L x 51mm (2.0 in.) W x 25mm (1.0 in.) H

	ULTRAsleeve®	MASSsleeve®
Installation Time	≤ 30 seconds (after fiber preparation)	≤ 30 seconds (after fiber preparation)
Fiber Size Acceptance	Buffer sizes from 250 to 900 microns	(not applicable)
Fiber Retention*	4.5N (1.0 lb*f*)	4.5N (1.0 lb*f*)
Thermal Cycling*	-40° to 75°C (-40° to 167°F)	-40° to 75°C (-40° to 167°F)
In-service Aging*	85° ± 2°C (185° ± 35°F), 30 days	85° ± 2°C (185° ± 35°F), 30 days
Material	Engineered thermoplastic UL 94, V-0	Engineered thermoplastic UL 94, V-0
Dimensions (closed)	3mm (0.12 in.) diameter, 40mm (1.57 in.) or 60mm (2.36 in.) lengths	40mm (1.57 in.) long, 3mm (0.12 in.) wide, 7mm (0.28 in.) high

**Complies to GR-1380-CORE*

ULTRAsplice®:

US-126.....Singlemode, yellow
US-128.....Multimode, 125 micron, orange
US-140.....Multimode, 140 micron, blue
US-160.....Multimode, 160 micron, green
US-230.....Multimode, 230 micron, brown
US-250.....Multimode, 250 micron, lt. gray
US-330.....Multimode, 300 micron, pink
US-440.....Multimode, 440 micron, white
US-500.....Multimode, 500 micron, maroon



Insertion Loss*	< 0.2 dB and is tunable for minimum loss (average IL 0.07 ± 0.03 dB)
Return Loss*	< -50 dB typical
Installation Time	≤ 30 seconds (after fiber preparation)
Coating Diameter	Buffer sizes from 250 to 900 microns
Fiber Diameter	125 to 500 microns
Fiber Retention*	> 9.8N (2.2 lb*f*.)
Operating Temperature*	-40° to 80°C (-40° to 176°F)
Thermal Cycling*	Change in insertion loss < 0.1 dB, -40° to 80°C (-40° to 176°F)
Fungus Resistance*	ASTM G21; rating 0
Cleave Length	6-8mm (152-203 in.)
Material	Engineered thermoplastic UL 94, V-0
Dimensions (closed)	5.7mm (0.22 in.) diameter, 4mm square (0.16 in.) body, 40mm (1.57 in.) length, 0.86gm (0.03 oz.) weight

**Complies to GR-1380-CORE*

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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