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Furcation
Tubing
Stripper

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Furcation Tubing

Furcation tubing, also commonly referred to as jacketing or buffer, is used to protect delicate fiber optic cables from being damaged. The tubing color is chosen to represent the type of fiber patch cable (e.g., single mode). Yellow tubing is industry standard for single mode fiber, orange for multimode fiber, and blue is typically reserved for polarization-maintaining fiber. Black jacketing is generally chosen for light-sensitive applications. When selecting furcation tubing, please note the inside diameter as this dimension must be larger than the outside diameter of the fiber you are using.

There are three main types of furcation tubing that are offered by Thorlabs. The first is the FT900SM, a 900 μm outside diameter Hytrel tube. Since this furcation tubing has an inside diameter of only 500 μm , it is only large enough to use with our single mode fibers. The FT030 and FT038 series of furcation tubings are very similar but differ in inside and outside diameter (see their composition at right). Feeding fiber through furcation tubing can be difficult, so the inner tubes of the FT030 and FT038 feature a pull string to help guide the fiber. The Kevlar threads that surround the inner tube protect the fiber from damage as they cushion impact that the PVC outer jacket incurs. These furcation tubes can be used with SM, PM, and MM fibers.

Finally, the FT051SS stainless steel tubing is available. A $\varnothing 3$ mm Hytrel-jacketed fiber is typically fed through the steel tubing to provide substantial protection to the fiber.

$\varnothing 900$ μm Hytrel Tubing

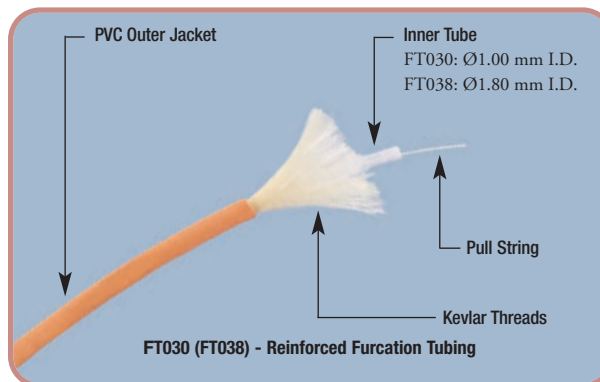
- 500 μm I.D.
- 900 μm O.D.

FT900SM

$\varnothing 3$ mm PVC Outer Jacket

- 1.0 mm I.D.
- 3.0 mm O.D.

FT030-Blue



FT030 & FT038 series feature Thorlabs logo



Features

- Protect Fiber Optic Cables
- Colored Tubing Denotes Fiber Type
- Four Types of Tubing Available

ITEM #	I.D.*	O.D.**	COLOR
FT900SM	500 μm	900 μm	Yellow
FT030	1.0 mm	3 mm	Orange
FT030-Y	1.0 mm	3 mm	Yellow
FT030-BK	1.0 mm	3 mm	Black
FT030-BLUE	1.0 mm	3 mm	Blue
FT038	1.8 mm	3.8 mm	Red
FT038-BK	1.8 mm	3.8 mm	Black
FT051SS	3.5 mm	5.1 mm	Stainless Steel

*Inner Diameter

**Outer Diameter

ITEM #	\$ 1-9 m	\$ 10-49 m	\$ 50-249 m	£ 1-9 m	£ 10-49 m	£ 50-249 m	€ 1-9 m	€ 10-49 m	€ 50-249 m	RMB 1-9 m	RMB 10-49 m	RMB 50-249 m
FT900SM	\$ 2.00	\$ 1.90	\$ 1.80	£ 1.44	£ 1.37	£ 1.30	€ 1.74	€ 1.66	€ 1.57	¥ 15.94	¥ 15.15	¥ 14.35
FT030	\$ 1.30	\$ 1.24	\$ 1.17	£ 0.94	£ 0.89	£ 0.85	€ 1.14	€ 1.08	€ 1.02	¥ 10.37	¥ 9.85	¥ 9.33
FT030-Y	\$ 1.30	\$ 1.24	\$ 1.17	£ 0.94	£ 0.89	£ 0.85	€ 1.14	€ 1.08	€ 1.02	¥ 10.37	¥ 9.85	¥ 9.33
FT030-BK	\$ 1.30	\$ 1.24	\$ 1.17	£ 0.94	£ 0.89	£ 0.85	€ 1.14	€ 1.08	€ 1.02	¥ 10.37	¥ 9.85	¥ 9.33
FT030-BLUE	\$ 1.30	\$ 1.24	\$ 1.17	£ 0.94	£ 0.89	£ 0.85	€ 1.14	€ 1.08	€ 1.02	¥ 10.37	¥ 9.85	¥ 9.33
FT038	\$ 1.80	\$ 1.71	\$ 1.62	£ 1.30	£ 1.24	£ 1.17	€ 1.57	€ 1.49	€ 1.41	¥ 14.35	¥ 13.63	¥ 12.92
FT038-BK	\$ 1.80	\$ 1.71	\$ 1.62	£ 1.30	£ 1.24	£ 1.17	€ 1.57	€ 1.49	€ 1.41	¥ 14.35	¥ 13.63	¥ 12.92
FT051SS	\$ 5.80	\$ 5.51	\$ 5.22	£ 4.18	£ 3.97	£ 3.76	€ 5.05	€ 4.80	€ 4.55	¥ 46.23	¥ 43.92	¥ 41.61

*Call for Pricing on Quantities Over 250m

Kevlar Cutters

These cutters are designed for cutting the Kevlar threads that are used in the protective jackets of some furcation tubings. The serrated carbon steel blades keep the Kevlar threads from sliding as they are being cut.



T865

ITEM #	\$	£	€	RMB	DESCRIPTION
T865	\$ 36.67	£ 26.40	€ 31.90	¥ 292.26	Kevlar Cutter

Connector Crimp Tool

The CT042 can be used for crimping SMA, FC, SC, and ST connectors. Connectors with $\varnothing 3$ mm or greater tubing require the use of a crimp tool, while $\varnothing 900$ μm tubing or smaller does not need to be crimped.



CT042

ITEM #	\$	£	€	RMB	DESCRIPTION
CT042	\$ 99.00	£ 71.28	€ 86.13	¥ 789.03	Crimp Tool