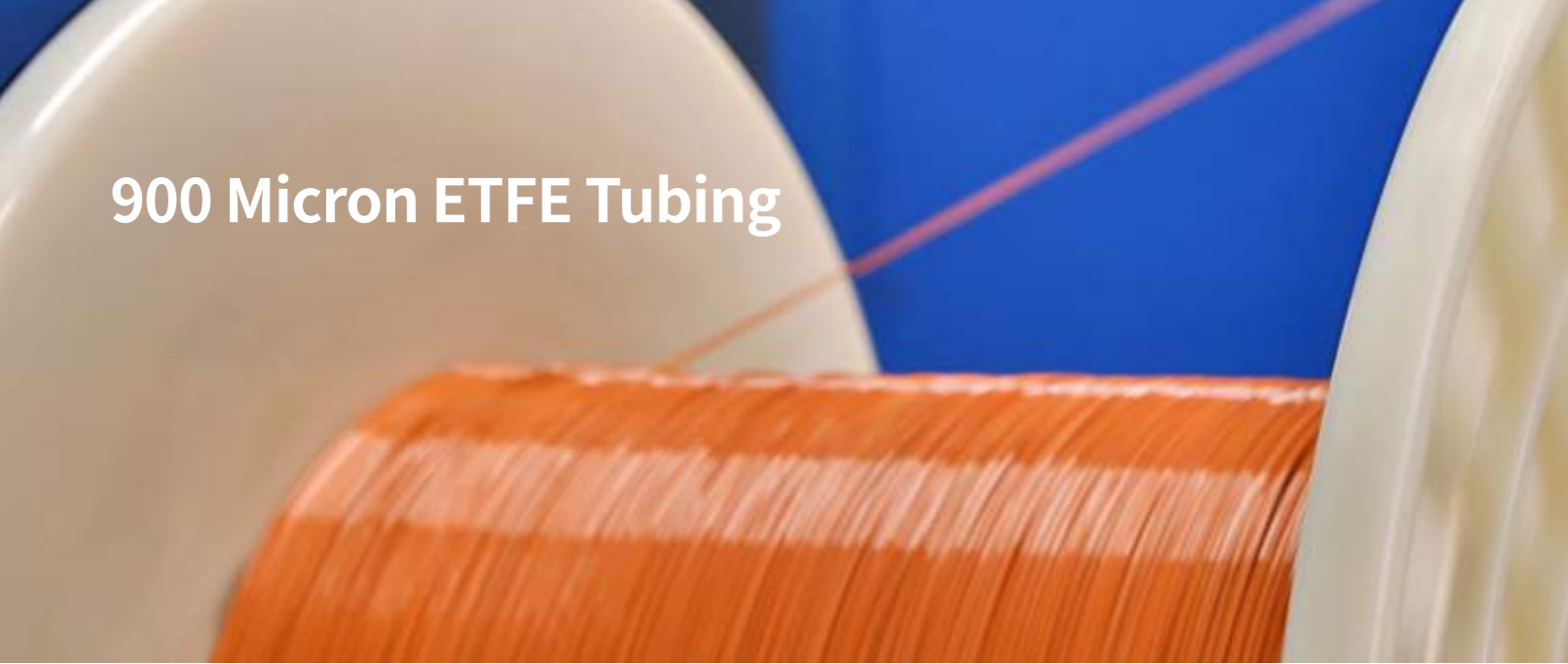


900 Micron ETFE Tubing



YOFC's 900 micron ETFE tubing can be employed as buffering material and provide additional protection for use with 250µm fibre.

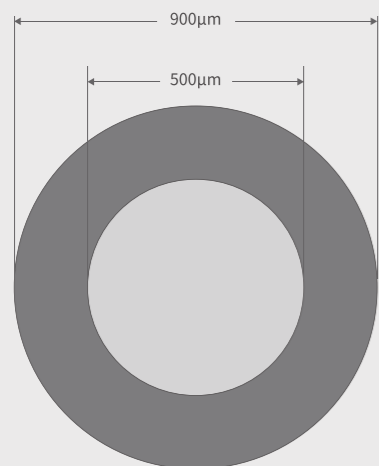
Made from ETFE possessing, ETFE tubing has some excellent property of the material, such as resistance to heat and flame, and high specific dielectric strength, and gives optimal protection to 250µm fibre.

Application

- protect bare fibre in any situation against mechanical damage during handling and installation
- provide an effective resistance to water vapor, oils/fuels, acids/alkalis, and solvents, which could adversely affect the fibre's signal transmission capabilities
- Excellent wear properties in many applications, and in cases of high voltage, radiant, medical equipments
- Can be easily installed over fibre up to more than 5 meters

Characteristics

- Highest flame retardant grade of UL94 V-0
- Flexibility at low temperature
- Retention of properties after aging at elevated temperatures up to 150°C



Dimension of Tubing

Inner Diameter (µm)	Outer Diameter (µm)	Core Concentricity Error	Non-Circularity
500.0 ± 50.0	900.0 ± 50.0	<6%	<3%

Material Properties

Flame Retardant Grade		UL94 V-0 & RoHS		
Tubing Shrinkage @85°C, 4 hours		≤2.0%		
Material	Property	Value	Unit	Test Method
ETFE	Flexural Modulus	641.1	MPa	ASTM D790
	Tensile Strength at 23°C	37.9	MPa	ASTM D1708
	Elongation at 23°C	>300	%	ASTM D1708
	Melt Point	220~255	°C	ASTM D3159
	LOI	34		ASTM D2863

Environmental Properties

Operating (°C)	Static Diameter (mm)	Storage (°C)	Dynamic Diameter (mm)	Installation (°C)
-55 ~ + 150	10 x Tight tube diameter	-40 ~ + 80	20 x Tight tube diameter	-20 ~ + 50

Product Colour

	Blue	BU		Orange	OR		Green	GN
	Brown	BR		Gray	GY		White	WHT
	Red	RD		Black	BK		Yellow	YW
	Violet	VT		Pink	PN		Light Blue	LB

• Customer colors are available through minimum order.
 • Remark: YOFC can provide different diameter ETFE tight buffered fibre of various fibre, according to the requirement of client.

www.yofc.com



This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information