

Optinova Zebra Spiral PTFE Heat Shrink Tubing

Solutions for Medical Applications.



Optinova "Zebra" Spiral PTFE Heat Shrink is ideal for insulation and jacketing of guidewires for endoscopic and urological applications. The distinctive spiral "zebra" pattern, enhances visibility and improves operator control during procedures.

Our PTFE heat shrink tubing ensures top-quality performance with customizable shrink ratios from 2:1 up to 4:1.



Key advantages

- **Tight Tolerances:** Available from 2:1 up to 4:1 shrink ratios ensures tight, uniform jacketing of guidewires.
- **Stable Performance:** Consistent batch-to-batch reliability.
- **Minimal Length Change:** Post-shrink length change is minimal within +10%/-0% which improves yield and lowers scrap.
- **Exceptional Lubricity and Durability:** PTFE material provides a highly smooth coating, ideal for jacketing of guidewires applications. Resistant to heat, shock, corrosion, moisture, and extreme environmental conditions.
- **Customization:** Offered in custom sizes, shrink ratios and colors to meet your specific needs.
- **Rapid Prototyping and Scalability:** Allows the customer to test before scaling up.

Applications

- Insulation and jacketing of guidewires for endoscopic and urological applications.

Technical specifications

Shrink Ratio:	From 2:1 up to 4:1
Dimensional range:	Exp. ID 0.60 - 2.00 mm (0.023" - 0.078")
Recovered Wall:	0.12 - 0.20 mm (0.005" - 0.008")
Commonly:	0.14 mm +/- 0.02 mm
Length	300 mm - 5 000 mm (11,8" - 196,9")
Length Change	+10%/-0%
Pitch:	Max 16 stripes/inch
Color:	Black/Yellow, Black/Pink, White/Blue, Black/Green, White/Green

For more technical information, please contact us at our sales offices or visit our website: [optinova.com/contacts](https://www.optinova.com/contacts)

Guidewire Size	0.457 mm (0.018")	0.635 mm (0.025")	0.813 mm (0.032")	0.889 mm (0.035")	0.965 mm (0.038")
Expanded ID (Min)	0.60 mm	0.60 mm	0.76 mm	0.76 mm	0.90 mm
Recovered ID (Max)	0.18 mm	0.20 mm	0.23 mm	0.23 mm	0.25 mm
Recovered OD on Mandrel (Max)	0.45 mm	0.64 mm	0.81 mm	0.89 mm	0.96 mm
Mandrel Size	0.20 mm	0.40 mm	0.60 mm	0.63 mm	0.75 mm

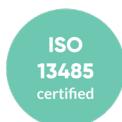
We meet **your specifications**
by **customization** with **superb**
customer service



Your trusted partner for reliable medical tubing solutions.



Medical-grade certifications



Properties

	PTFE
Shrink Temperature:	Ca 330° C (626° F)
Working Temperature:	-250° C to 260° C -436° F to 500° F
Chemical resistance:	Excellent
Flammability	UL 94 V0
Water Absorption:	>0,01%
Hardness:	D60
UV Resistance	Unaffected
Sterilization	EtO, Steam

Note: This table is only meant to serve as a reference and the values are not necessarily typical for any specification. Users should evaluate the material to determine the suitability for their application.

Standard supply is cut pieces, max length 5m (16ft)

Custom dimensions and lengths can be made upon request, but typically centered around the common guide wire sizes .025" and .035".

About Us

Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

Contact Us

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