Fused Silica Capillary Tubing

**FSS Standard Polyimide Coating**
Standard polyimide coating  
Synthetic fused silica  
100% proof tested at 100kpsi  
High Temperature Operation up to 400 °C

**FSU UV Transparent Coating**
UV transparent Coating  
Synthetic fused silica  
Operation up to 160 °C

**FSP Precision Windowed Capillary**
PreCut with window for CE-Instruments  
1 m length for general Applications  
Window 2 mm long for use in CE  
Based on FSS fused silica tubing

**FSF Square Flexible Capillary**
Standard polyimide coating as FSS  
Synthetic fused silica with high strength  
Operation up to 350 °C  
Intermittent up to 400 °C

We provide a great variety of flexible fused silica capillary products with inner diameters from 2 - 700 µm and with numerous coatings available. We can supply a wide range of tubing from thin walled polyimide coated flexible fused silica to thick walled silica quartz tubes without coating. We can provide custom sizes, custom tolerances, and a wide range of durable and protective coatings with lowest tolerances to meet our customer’s needs.

**Applications**

*Fused silica is used for a broad range of applications. Some examples are*
- Capillary Electrophoresis with tubing and windowed capillaries.
- Gas Chromatography with tubing and coils and for GC columns in different varieties.
- Genomics with tubing, arrays, and assemblies for DNA sequencing and fragment analysis.
- Proteomics with tubing for capillary LC columns, fluid connections, and MS interfacing.
- Microfluidics including Lab-on-a-chip with tubing for fluid connections for nano/micro devices.
- Precision Flow Cells with custom tubing for Cytometry, Chromatography and CE.
Fused Silica Capillary Tubing

FS Standard Polyimide Coating, Length per Meter available on Request, Price per Meter

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Key Features
- Internal diameters from 2 µm up to approx. 700 µm.
- Outer diameters down from 90 µm up to approx. 900 µm.
- Excellent chemical durability and inertness.
- Silica and quartz that are stronger than steel.
- Tight but still economical affordable tolerances.
- Materials that are easy to cleave or cut.
- Proven combination of silica and polyimide.
- FS capillaries with unique strength/flexibility.
- Low fluorescence background for stable reproducible use in on-column detection methods because of superior UV/VIS transmission when protective coating is removed.
- High purity silica allows for precision laser machining of integrated value added features.
- Avoid coating contact on the outside with organic solvents, acids or alkaline solutions. This might break/dissolve the coating.

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Technical specifications are subject to change without further notice.