



Metal Coated Fibers for Extreme Conditions

Copper Coated Silica Fibers



Main features:

- Working temperatures* up to 600°C
- Excellent mechanical strength and flexibility
- □ No outgassing under high vacuum conditions
- □ Solderable into connectors (epoxy-free option)
- Effective heat rejection along metal coating
- □ Steaming, ETO, steam, e-beam or gamma sterilizable

art photonics' Copper-alloy Coated Silica Fibers are the optimal solution for applications in high temperature, vacuum and harsh environment conditions.

- Cu-alloy coated fibers have all benefits of silica-silica fibers. Additional significant advantages include a superior mechanical strength and better fatigue resistance compared to polymer coated fibers.
- The transmission range spans 220 to 2400 nm depending on UV or NIR silica fiber core choice. The working temperature range* is from -270°C to 600°C; humidity up to 100%.

Aluminum Coated Silica Fibers



Main features:

- □ Working temperatures up to 400°C
- Excellent mechanical strength and flexibility
- □ No outgassing under high vacuum conditions
- □ Solderable into connectors (epoxy-free option)
- Effective heat rejection along metal coating
- □ Steaming, ETO, steam, e-beam or gamma sterilizable

rt photonics' Aluminum Coated Silica Fibers are the optimal solution for applications in high temperature, vacuum and harsh environment conditions. Al-coated fibers have all benefits of silica-silica fibers. Additional significant advantages include a superior mechanical strength and better fatigue resistance compared to polymer coated fibers.