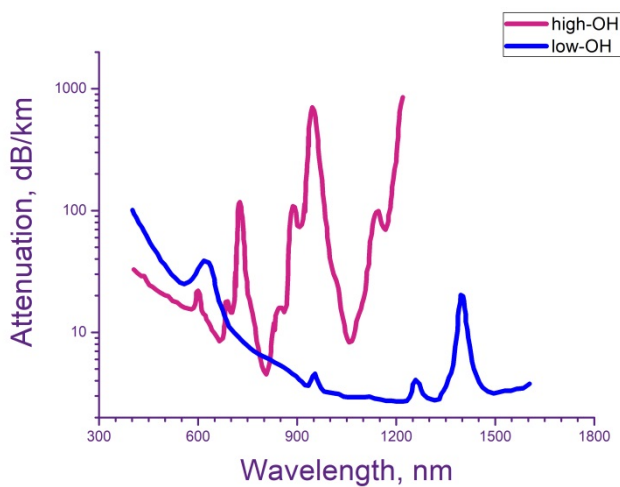
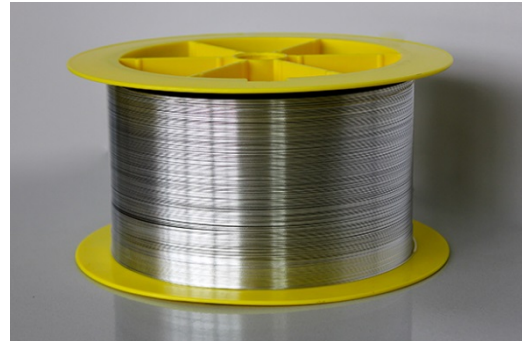


# SPECIALTY FIBER ALUMINIUM COATED FIBERS

HIGH OH  
MULTY MODE SILICA FIBERS

Aluminum-coated multy mode optical fibers have all the benefits of silica-silica fibers. Their transmittance covers a spectral range of 250 to 1200 nm, and also remains stable in corrosive chemicals that normally react to silica glass. The temperature range is from -196°C to +400°C. Hermetically metal-coated optical fibers are the optimum candidate when used in high vacuum and harsh environmental conditions



FIBER SPECIFICATIONS	OKM-XXX/XXXAL	
Coating material	Aluminium	
Standard Core/Clad diameters, µm	100/110, 150/165, 200/220, 300/330	400/424, 400/440, 600/636, 600/660, 800/848, 800/880, 1000/1060, 1000/1100
Attenuation at 800/1300 nm (See graph SSU)	the loss spectrum in the long wavelength region (> 1µm) is higher than that of the material	the loss spectrum is close to the material loss spectrum
Core material	Pure syntetic silica (high OH)	
Clad material	doped silica	
Numerical Aperture (NA)	0.22 ± 0.02 (another on request)	
Short-term bending radius	60 times the fiber diameters	
Long-term bending radius	120 times the fiber diameters	
Proof test, kpsi	> 100	
Min operating temperature, °C	-196	
Max operating temperature, °C	+400	

Other parameters are available on the request