

Oplatek FO SSU 1.05 fibers are best suited for UV-VIS range of spectrum. The high hydroxyl-ion content along with fluorine doped cladding provides this fiber with excellent transmission and high laser damage resistance for UV applications. Included applications are clinical chemistry, pulp and paper testing equipment, remote spectroscopy and laser delivery systems. This fiber has transmission below 200 nm.

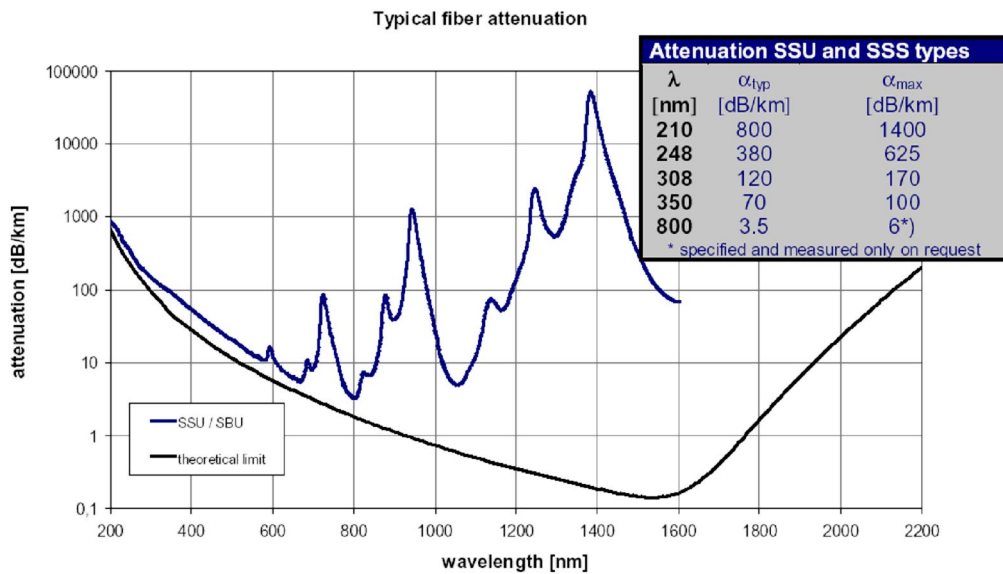
Optical characteristics UNIT

Numerical aperture -

Specified value

0.22

Fiber transmission curve:



Geometrical characteristics

Fiber ID	Core diameter m	Cladding diameter m	Coating diameter m
SSU 1.05 105/110 um	105	110	145
SSU 1.05 380/400 um	380	400	500
SSU 1.05 620/650 um	620	650	800
SSU 1.05 1050/1100 um	1050	1100	1200

Mechanical and environmental characteristics

Temperature resistance	-40..+80 C longterm -40..80 C shortterm type A (Acrylate). . 40..150 C longterm -40..200 C shortterm type B (Acrylate).
Minimum bending radius	200 times radius of the fiber shortterm. 400 times radius of the fiber longterm.