

1304 High Power Patchcord

SMF2003



Nufern SM-YSFOHI-HP

For applications where high efficiency and very short device lengths are critical, these single-mode fibers are compatible with standard "telecom" fiber technology ensuring low splice loss to numerous fiber pigtailed components. These fibers make the ideal gain medium for low average power femtosecond fiber lasers and pre-amplifiers for higher power double-clad amplifiers.

FEATURES

- Low Splice Loss
- Tighter Optical and Geometric Tolerances
- Improving Device Performances, System Compatibility and Manufacturing Process Control

USE IN

- Low Power Fiber Lasers
- Low Power Fiber Amplifiers

Operating Wavelength	1015 nm to 1115 nm
Core NA	0.110
Mode Field Diameter	7.5±0.7 μm@1060 nm
Cutoff	860±50 nm
Core Attenuation	10.0 dB/km max.@1200 nm
Core Absorption	85.0±10.0 dB/m at 915 nm 250.0 dB/m at 975 nm
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Cladding Diameter	125.0±1.0 μm
Core Diameter	6 μm
Coating Diameter	245.0±10.0 μm
Coating Concentricity	5.0 μm max.
Core/Clad Offset	0.50 μm max.
Coating Material	Acrylate
Proof Test Level	200 kpsi min. (1.4 GN/m ²)