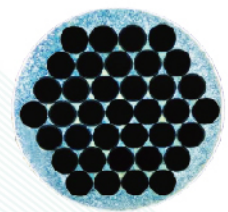
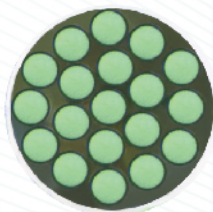




## Fiber Bundles Patchcord

Fiber bundles patch cord is fabricated with specially designed fibers in visible band. With high geometric accuracy, low loss and high reliability, it's suitable for medical, premium laser projection and ultraviolet printing. The high quality laser transmission can be realized by precise design of the patchcord as well as excellent energy delivery fiber from Everfoton. In order to meet customer's expectation, we optimize the product from many aspects such as fiber diameter, NA, core-cladding structure, optical transmission efficiency, connector packaging, optical fiber end polishing and so on. The design of fiber bundles patchcord is flexible: the branch can be SMA905 or SC ferrule, and the combiner end can be FC or SMA905 ferrule, or customized.



## Characteristics

- Multiple cores in one, 2~200cores
- Splitter connector type: SMA905 or SC ferrule
- Customized combiner connector

## Applications

- Laser projection
- Laser printing
- Laser lighting
- Spectroscopy
- Photolithography
- Fluorescence excitation
- Photodynamic therapy

## Specifications

Product Type	FB-UV-Nx1		FB-VS-Nx1			
Fiber Type	UV Fiber		Step Index Fiber			
Wavelength (nm)	300 - 1200		450 - 2200			
Core Diameter (μm)	105.0 ± 3.0	200.0 ± 3.0	200.0 ± 5.0	400.0 ± 8.0	600.0 ± 10.0	800.0 ± 10.0
Cladding Diameter (μm)	124.7 ± 1.0	220.0 ± 5.0	220.0 ± 5.0	420.0 ± 8.0	660.0 ± 10.0	840.0 ± 10.0
Coating Diameter (μm)	242.0 ± 5.0	500.0 ± 25.0	500.0 ± 20.0	730.0 ± 30.0	960.0 ± 30.0	1100.0 ± 50.0
Numerical Aperture	0.22 ± 0.02					
Proof Test Level (kpsi)	100					
Transmission Efficiency (%)	> 95 @ 405nm, 3.5m		> 95 @ 450nm, 4m			
Temperature Resistance at The Combiner End (°C)	> 200		> 1000			