High Power Transmission Component

Fibre Bundles Patchcord

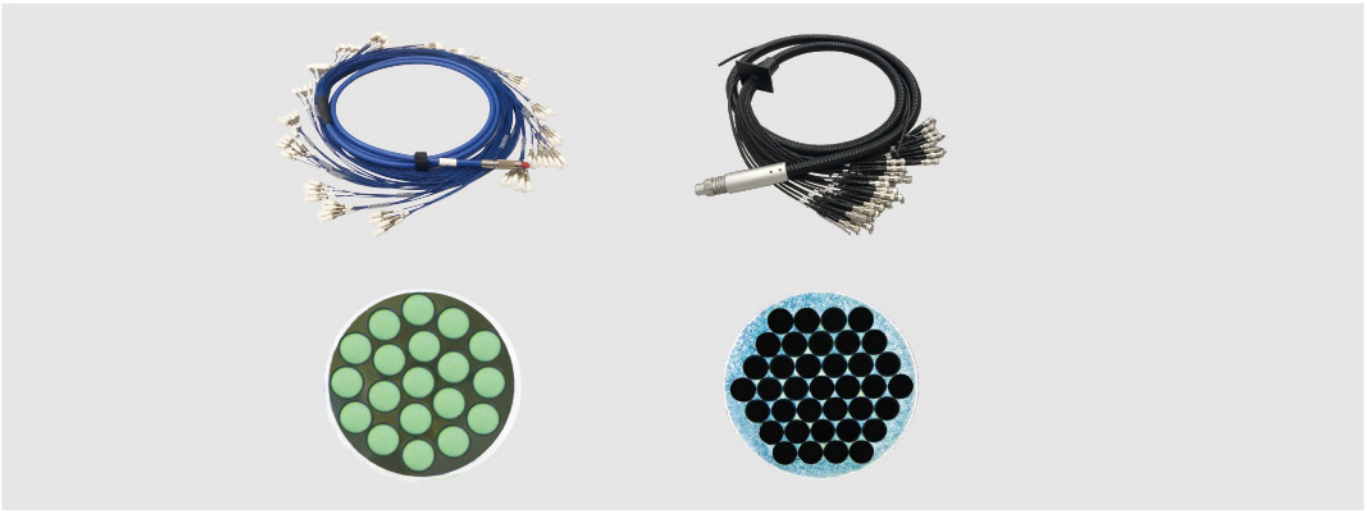
Fibre bundles patchcord is fabricated with specially designed optical fibres in visible band. With high geometric accuracy, low loss and high reliability, it's suitable for medical, premium laser projection and ultraviolet printing. The high quality laser transmission can be realized by precise design of the patchcord as well as excellent energy delivery fibre from YOFC. In order to meet customer's expectation, we optimize the product from many aspects such as fibre diameter, numerical aperture, core-cladding structure, optical transmission efficiency, connector packaging, optical fibre end polishing and so on. The design of fibre 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			
Fibre Type	UV Fibre		Step Index Fibre			
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			

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This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information