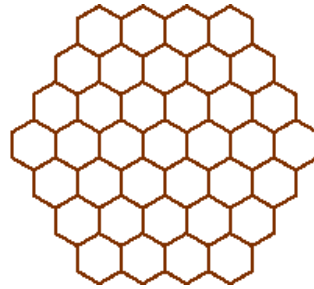


POWER LIGHT GUIDE

DESCRIPTION

Luxeri provides a range of power light guide in a range of wavelength between 190nm and 2400nm. These light guides can easily withstand temperatures above + 600 ° C.

This range of power light guide is based on end-fused silica fibers in a ferrule. This fusion process makes it possible to eliminate the inter-fiber spaces and remove the glue during assembly of the bundle in the ferrule.



These light guides of light of power are popular for the transport of the laser, the welding by laser beam or the cutting by laser.

Depending on the wavelength required, the power light guide bundle will be made from silica - low OH or high OH silica fiber.



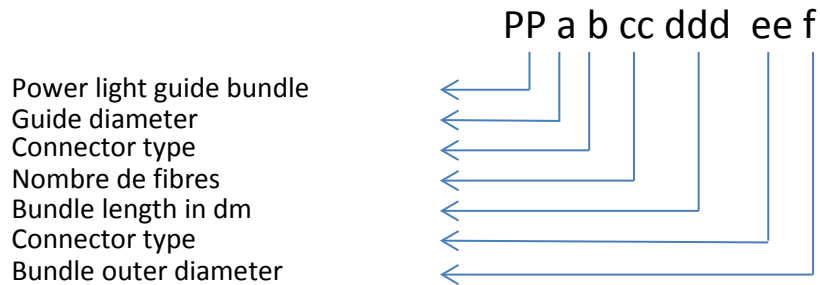
POWER LIGHT GUIDE BUNDLE FEATURES

Thanks to the process of end-fused fibers, it is possible to manufacture a light guide with a large active diameter by assembling several large-core silica fibers.

Large numerical apertures are possible as in 0.37.

Fiber structure	Wavelength range	Numerical aperture
Silica – Silica high OH	190nm – 1200nm	0,12 / 0,22 / 0,28
Silica – silica low OH	300 – 2400nm	0,12 / 0,22 / 0,28
Hard clad silica	350 – 2200nm	0,37 / 0,48

POWER LIGHT GUIDE BUNDLE REFERENCE



Consult us :



Quartier des Delâches – 1 rue des Delâches – 91940 Gometz-le-Châtel

Tél. : 01 60 12 71 11 email : luxeri@luxeri.fr site : www.luxeri.fr