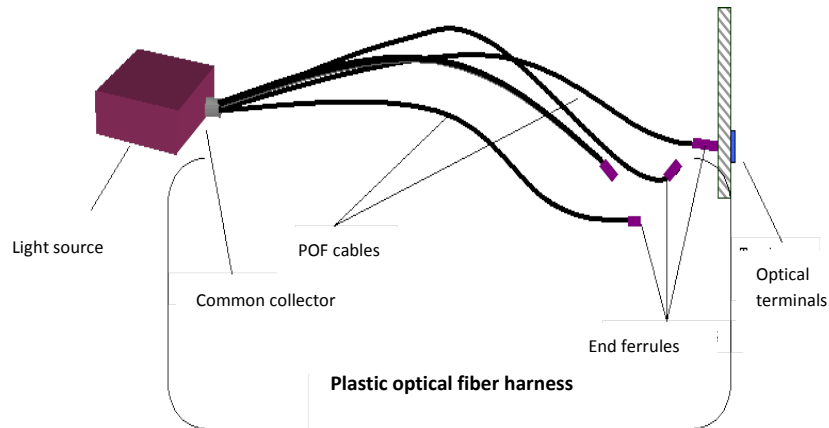


## LIGHTING FIBER OPTIC HARNESS

### DESCRIPTION

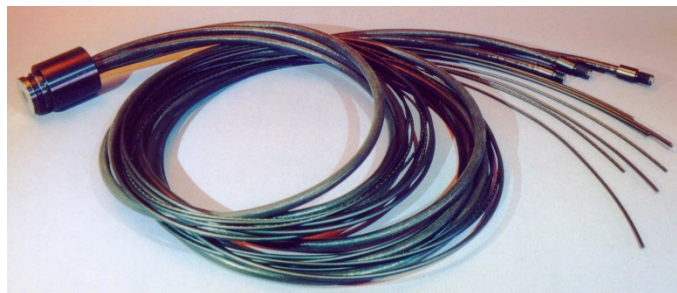
Luxeri produces lighting fiber optic harnesses in PMMA for accentuation lighting or spot lighting. The harness consists of a common collector, plastic fiber optic cables (FOP), end ferrules.



The common collector includes all the FOP cables of the harness and is connected to the output of the generator. The standard diameter is 30mm, but we also have other diameters that can adapt to any type of generator output.



POF cables are glued and polished on the common collector and on each end ferrule.



## LIGHTING FIBER OPTIC FEATURES

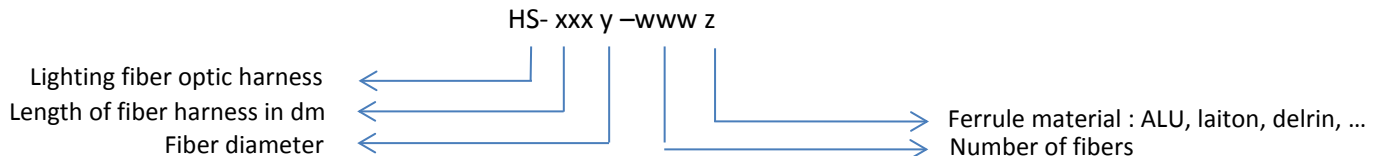
According to the level of illumination requirements, the optical cable consists of a polymer coating with one or more plastic optical fibers of TORAY brand. These latter consist of a PMMA core and a fluorinated cladding / optical cladding with an aperture of 0.5. Depending on the required temperature (standard: 70 ° C or 85 ° C or 105 ° C), we use a different range of PMMA optical fiber.

Each optical cable is defined by its optical diameter. For optical diameters greater than 2mm, the FOP cables consist of several FOP dia 1mm as shown in the following table.

Optical $\phi$	$\phi$ 1mm	$\phi$ 2mm	$\phi$ 3mm	$\phi$ 4mm	$\phi$ 5mm	$\phi$ 6mm
Number of fibers	1 FOP $\phi$ 1mm	1 FOP $\phi$ 2mm	7 FOP $\phi$ 1mm	13 FOP $\phi$ 1mm	20 FOP $\phi$ 1mm	30 FOP $\phi$ 1mm
Max nb fibers per collector <sup>1</sup>	300	75	43	23	15	10
Gainage	Polyethylene	Polyethylene	Megolon	Megolon	Megolon	Megolon

N.B. : <sup>1</sup> assuming that diameter of common collector is 30mm

## LIGHTING FIBER OPTIC HARNESS REFERENCE



Consult us :



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

Tél. : 01 60 12 71 11 email : [luxeri@luxeri.fr](mailto:luxeri@luxeri.fr) site : [www.luxeri.fr](http://www.luxeri.fr)