

# MODUL

## ELECTRO

Bare Fibers | Fibras Desnudas

[www.modulelectro.ru](http://www.modulelectro.ru)



HBF FIBERS

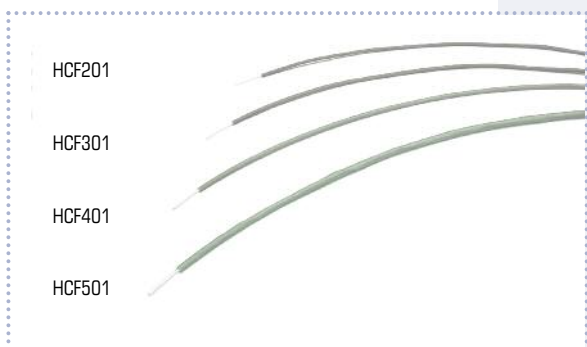
High performance bare fibers (PMMA) from  $\varnothing 0,25\text{mm}$  to  $3\text{mm}$ . For decorative applications such as star ceilings, and uses in protected areas where there is no danger of mechanical damage. Available in boxes, spools, cut sizes or assembled into harnesses.

Fibras ópticas desnudas (PMMA) de alto rendimiento de  $\varnothing 0,25\text{mm}$  a  $3\text{mm}$ . Para usos en instalaciones decorativas, como cielos estrellados, o en áreas protegidas de posibles daños mecánicos. Disponibles en cajas, bobinas, cortadas a medida o en mazos.

SERIES	PRODUCT	SPOOL SIZE	PACKING
HBF100	High performance bare fiber 0,25mm	12000m	4 spools
HBF200	High performance bare fiber 0,50mm	6000m	4 spools
HBF300	High performance bare fiber 0,75mm	2700 or 9000m	4 / 2 spools
HBF400	High performance bare fiber 1,00mm	1500 or 5250m	4 / 2 spools
HBF500	High performance bare fiber 1,50mm	700 or 2000m	4 / 2 spools
HBF600	High performance bare fiber 2,00mm	1290m	2 spools
HBF700	High performance bare fiber 3,00mm	150 or 450m	4 / 2 spools

Special discounts for bulk orders.

## Clad Fibers | Fibras Recubiertas



High performance clad fibers (PMMA) from Ø1mm to 3mm. For decorative and lighting applications where mechanical protection or fire retarding is desired. Polyolefine HFFR cladding.

Fibras ópticas recubiertas (PMMA) de alto rendimiento, de Ø1mm a 3mm. Para instalaciones decorativas y de iluminación que exijan protección mecánica y/o resistencia al fuego. Funda de poliolefina HFFR.

CODE	PRODUCT	OUTER Ø	PACKING
HCF201*	High performance clad fiber 1,00mm	3mm	1000m
HCF301*	High performance clad fiber 1,50mm	3,5mm	500m
HCF401*	High performance clad fiber 2,00mm	4mm	500m
HCF501*	High performance clad fiber 3,00mm	5mm	450m

\* Polyolefine HFFR cladding (Halogen Free Fire Retardant).



[www.modulelectro.ru](http://www.modulelectro.ru)

## Light Guides | Guías Ópticas



High performance (PMMA) light guides comprising multiple endlight fibers ideal for general lighting projects. Any other architecture or configuration can be custom manufactured on request. Subject to minimum spool lengths.

Guías de fibras ópticas (PMMA) de alto rendimiento compuestas de múltiples fibras. Para usos en esquemas de iluminación en general. Cualquier otra configuración o arquitectura disponible bajo pedido mínimo de la longitud contenida en las bobinas.

CODE	PRODUCT	OUTER Ø	STRUCTURE	PACKING
HLG101*	High performance light guide, optical Ø3,00mm	6mm	12 x 0,75mm	500m
HLG201*	High performance light guide, optical Ø5,00mm	8mm	19 x 1,00mm	200m
HLG301*	High performance light guide, optical Ø6,50mm	10mm	33 x 1,00mm	100m
HCG075**	High performance light guide, optical Ø8,00mm	12mm	75 x 0,75mm	100m
SSL050*	Starry sky light guide, optical Ø8,00mm	10mm	50 x various	100m

\* Polyolefine HFFR cladding (Halogen Free Fire Retardant). \*\* PVC cladding.





# MODUL

Glass Light Guides | Guías Ópticas de Vidrio **ELECTRO**

[www.modulelectro.ru](http://www.modulelectro.ru)



Glass endlight guides for lighting uses where a small bending radius, specific color rendition or heat resisting tip is needed\*. Not recommended for lengths in excess of five meters. Various other diameters and custom sizes available on request.

Guías de vidrio de luz puntual para proyectos con ángulos de curvatura cerrados, exigencias en rendimiento cromático o resistencia al calor de las puntas\*. Se recomienda no exceder longitudes de más de cinco metros. Otros diámetros y arquitecturas bajo demanda.

CODE	PRODUCT	STRUCTURE	PACKING
GLG101	Glass light guide 1,00mm	150	Ready-made harnesses
GLG201	Glass light guide 1,50mm	300	Ready-made harnesses
GLG301	Glass light guide 2,00mm	600	Ready-made harnesses
GLG401	Glass light guide 3,00mm	1400	Ready-made harnesses
GLG501	Glass light guide 4,00mm	2400	Ready-made harnesses
GLG601	Glass light guide 5,00mm	3600	Ready-made harnesses
GLG701	Glass light guide 7,00mm	7200	Ready-made harnesses

On request also available in spools and cut lengths.

\* Glass light guides are clad in PVC or HFFR. With the exception of the fiber ends, their fire and heat resistance is the same as that of polymer conductors, White light transmission is much lower than that of polymer fibers.



## Microbraid™ Sidelight Guides | Guías Microbraid™ de Iluminación Lateral

HMG101

HMG201

HMG301

HMG401



Microbraid™ (PMMA) sidelight fibers for decorative outlines, cove-lighting, neon simulation and pool edge lighting. The clear PVC cladding has UV, fungicide and algae protection.

Guías Microbraid™ (PMMA) de luz lateral para iluminación decorativa e indirecta, simulación de neón y contornos de piscinas. Enfundadas en PVC transparente con protección UV, fungicida y alguicida

CODE	PRODUCT	STRUCTURE	PACKING
HMG101	Microbraid™ sidelight guide, external Ø8,00mm	16 x 0,75mm	100m
HMG201	Microbraid™ sidelight guide, external Ø10,00mm	48 x 0,75mm	100m
HMG301	Microbraid™ sidelight guide, external Ø14,00mm	80 x 0,75mm	50m
HMG401	Microbraid™ sidelight guide, external Ø18,00mm	144 x 0,75mm	50m

Other diameters, custom sizes and architectures available on request.

## Other Sidelight Guides | Otras Guías Laterales

HSG301

HSG401

HSG501



Small diameter (PMMA) sidelight guides (HSG), for staircases and dark-areas such as cinemas. The clear PVC cladding has UV, fungicide and algae protection.

Guías de luz lateral (PMMA) de calibre reducidas (HSG), para escaleras y aplicaciones en zonas oscuras, cines, etc. Enfundadas en PVC transparente con protección UV, fungicida y alguicida.

CODE	PRODUCT	STRUCTURE	PACKING
HSG301	High performance sidelight guide, external Ø5,00mm	14 x 0,75mm	500m
HSG401	High performance sidelight guide, external Ø6,00mm	12 x 0,75mm	500m
HSG501	High performance sidelight guide, external Ø4,00mm	7 x 0,75mm	500m
HSG601	High performance sidelight guide, external Ø3,00mm	5 x 0,75mm	500m
PSF101	High performance sidelight guide, external Ø2,00mm	1 x 1,00mm	1500m

On request also available with fire security stainless steel cable.



## Sparkle PMMA Guides | Guías Destellantes de PMMA



Sparkle PMMA sidelight guides, for decorative features, such as chandeliers, backdrops and curtains. The clear PVC cladding has UV, fungicide and algae protection. Other architectures and configurations available on request.

Guías destellantes de PMMA para aplicaciones decorativas verticales, como luminarias, hachones y cortinas. Enfundadas en PVC transparente con protección UV, fungicida y alguicida. Otras arquitecturas y configuraciones disponibles bajo pedido.

CODE	PRODUCT	STRUCTURE	PACKING
SSF103	Sparkling sidelight guide, external Ø6,00mm	12 x 0,75mm	250m
SSF101	Sparkling sidelight guide, external Ø4,50mm	7 x 0,75mm	250m
SSF102	Sparkling sidelight guide, external Ø3,00mm	4 x 0,75mm	500m
SSF201	Sparkling sidelight guide, external Ø2,00mm	1 x 1,00mm	1500m
SSF222	Bare sparkling sidelight fiber Ø0,75mm	1 x 0,75mm	2700m
SSF221	Bare sparkling sidelight fiber Ø1,00mm	1 x 1,00mm	1500m

On request also available without cladding or with fire security stainless steel cable.

**IMPORTANT SAFETY NOTICE:** Suspending crystals and other heavy objects from polymer strands is dangerous. In the event of fastener failure or fire, a falling crystal can grievously harm passers-by. In public areas or in features with crystals suspended high in the air, guides with a security stainless steel cable should be used.



## Sparkle Glass Guides | Guías Destellantes de Vidrio



Glass sparkle sidelight guides for chandeliers and decorative features. Other diameters and architectures available upon request.

Guías de vidrio destellantes de luz lateral para candelabros y esquemas decorativos. Otros diámetros y configuraciones disponibles bajo demanda.

CODE	PRODUCT	STRUCTURE	PACKING
SGG201	Sparkle sidelight guide 1,00mm	150	Ready-made harnesses
SGG301	Sparkle sidelight guide 1,12mm	200	Ready-made harnesses

On request available in spools and cut lengths.