



INNOVATIVE
LIGHTING



Fiber
Optics

End Light
Fiber
Optic



BLFO-EL750
Nominal $\text{Ø}3/4''$ [19mm] Spool Size : 100ft max.
Actual 0.856'' [21.74mm] Custom Order Only



BLFO-EL500
Nominal $\text{Ø}1/2''$ [13mm]
Actual 0.611'' [15.52mm]

Product Specifications

Description

BLFO-EL Solid Core End Light Optical Fiber uses a special chemical formulation and full curing process to increase the transmissibility of the fiber. It is resistant to heat, vibration and elongation. The PVC outer jacketing is resistant to fungi and algae growth and most chemicals. Side illumination has been eliminated for inconspicuous transmission to output end point. BL End Light Optical Fiber is suitable for indoor and outdoor applications specifically for end point illumination. Jacketing does not improve light transmission, it blocks out light emissions from view along the fiber's length. Jacketing is only required if the fiber is to be visible and not installed inside a conduit or ceiling cavity.

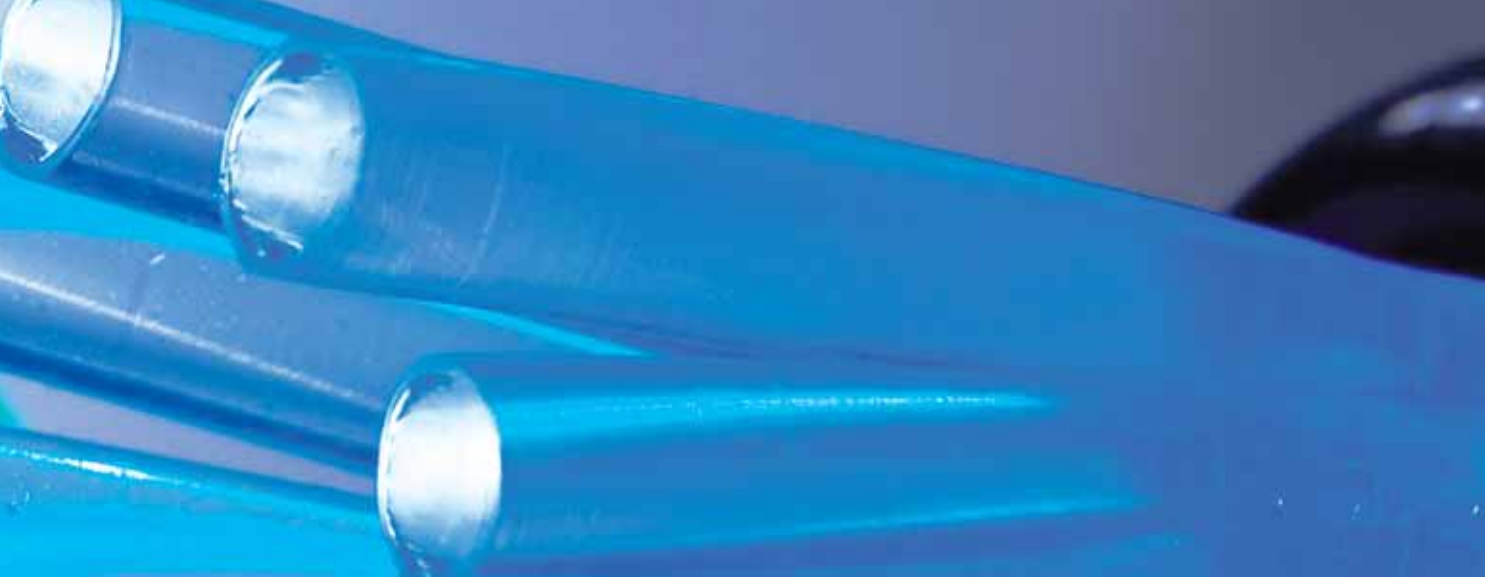
Custom Optical Fiber formulations are available.

Specification Guidelines

For outdoor installations, BLFO Optic Fiber requires UV protection.

Max run lengths depend on the illuminator being used.

Excessive bending will result in greater light loss.



BLFO-EL375
 Nominal $\varnothing 3/8''$ [10mm]
 Actual 0.451" [11.45mm]



BLFO-EL250
 Nominal $\varnothing 1/4''$ [6mm]
 Actual 0.281" [8.15mm]



BLFO-EL125
 Nominal $\varnothing 1/8''$ [3mm]
 Actual 0.180" [4.59mm]

Mechanical

Spool Sizes:
 260ft [80m]

Expected Life:
 15 years

Max. Distances for Effective
 Illumination:

Side Light	70 ft
End Light	120 ft

Splicing:
 Splicing is not possible

Cutting:
 Cuttable at any length

See Installation Guidelines
 for further details

Environmental

Operating Temperature:
 -40° - 200°C
 Min 10°C for install

Fire Rating:
 ANSI/UL 94 - V0

Resistance:
 Resistant to most chemicals
 Fungi/algae resistant

Transmission Properties

Output Angles:
 Minimum 40° half angle

Acceptance Angles:
 80°

Attenuation:
 0.24 dB/ft [0.8 dB/m]

Min. Bend Radius:
 8 times the diameter

Spectral Trans. Range:
 380 - 750nm [visible
 spectrum]

Numerical Aperture:
 0.65

