



- Low-loss multimode fiber optic cable
- 2mm bundle of 70µm fibers
- FSMA fiber optic connectors
- Available in standard length of 2.5m, 5m, 10m, 15m, 20m, 30m, and 50m. Customized length on request.
- Designed for use with AFT’s high-sensitivity optical arc detectors
- RoHS compliant to directive 2011/65/EU with exemption 13a for Pb in glass for optical application

Ordering Code

MFOC-LKS - XXX

Variable	Description	Example :
XXX	Cable length in meter x10	MFOC-LKS-100 for a cable length of 10m

Parameter	Value
Fiber Type	Step-index multimode fiber
Material Core	High-purity optical glass
Fiber Diameter	70 µm ± 4 µm
Bundle Diameter	2 mm
Numerical Aperture	0.54 ($\lambda = 587 \text{ nm}$)
Effective Opening angle 2α	64° ($\lambda = 587 \text{ nm}$, 70µm single fiber, 1m length)
Optical Attenuation	< 250 dB/km ($\lambda = 553 \text{ nm}$, 70µm single fiber)
Spectral Transmission	see Fig. 1
Coating Outer Diameter	3.85 mm
Coating Material	HFFR, black, light-proof
Minimum Bending Radius	50 mm
Operational Temperature Range	-20°C to + 80°C
Connector Type	FSMA, 1/4"-36 UNS female thread

Important Notes:



Warning: Do not pull, twist or bend the cable with a radius less than 50mm, as it can permanently destroy the cable.



Warning: The cable is not designed for the use in high x-ray or gamma ray environment, as high energy radiation can opaque the fibers.

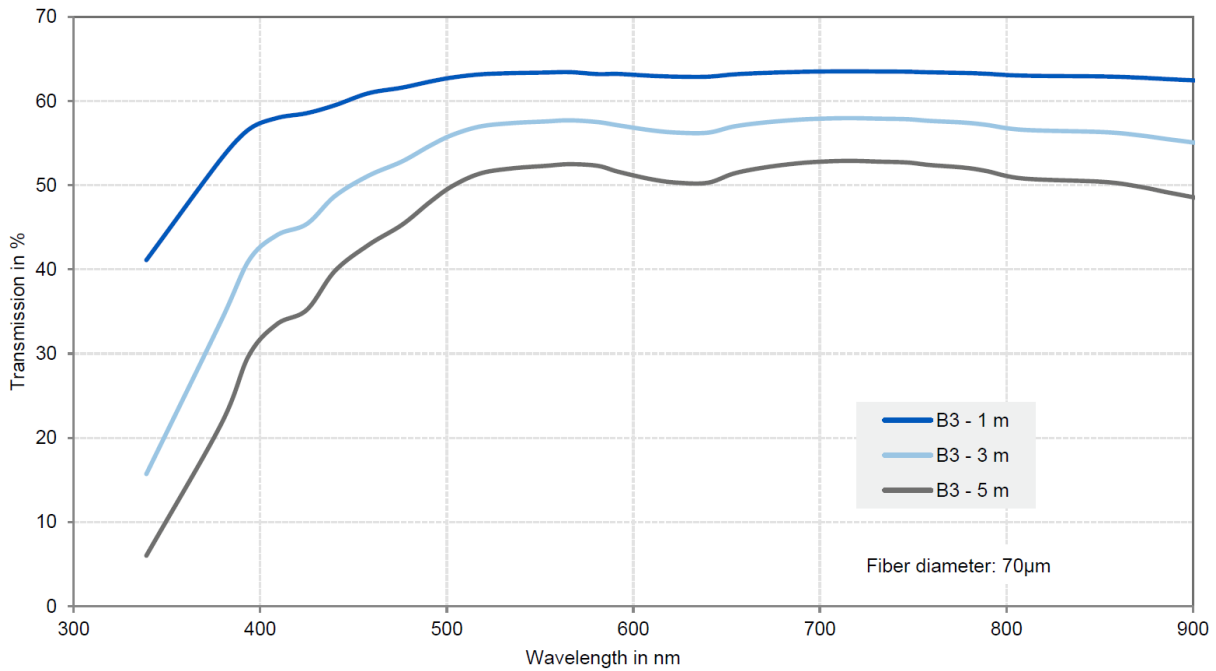


Fig.1 : Typical spectral transmission of a glued fiber bundle (for reference only).
 Source: Schott AG.

Rev.	Remark	Date	Name
00	Initial	18.01.2016	C. Weil
01	Length 15m added	19.04.2016	C. Weil