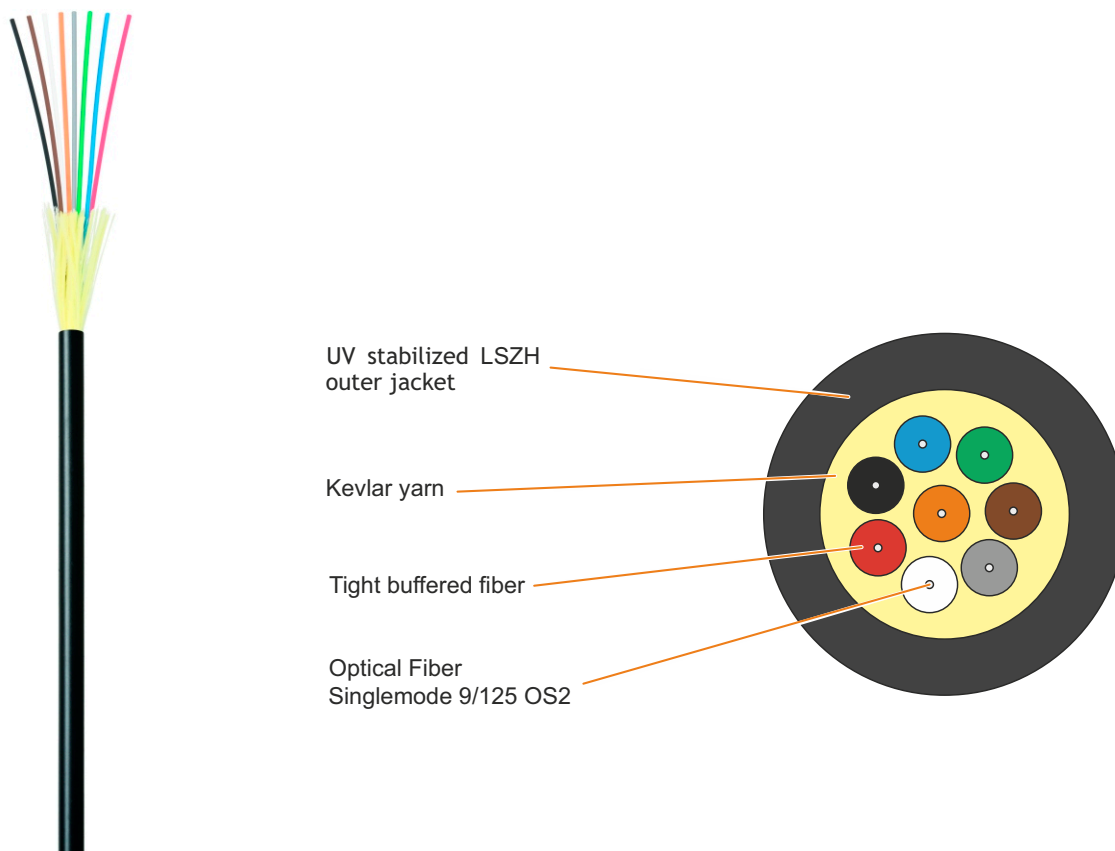


NKL-F-**xxx**S9K-00U-BK — 4/8/12/24 fibers

NIKOLAN Fiber-Optic Cable, SingleMode 9/125µm, OS2, Distribution type, Indoor/Outdoor, With Kevlar yarn, Class Eca LSZH -40 C, Black

Distribution optical cables, reinforced with Kevlar yarns are designed for laying both inside buildings and outside, in cable trays and channels, pipes and blocks. Used in the construction of the backbone cable building subsystem.

NKL-F-xxxS9K-00U-BK cables are designed for indoor / outdoor installation and contain four, eight, twelve or twenty-four optical fibers in a tight buffer comply with ISO / IEC 11801 OS2 standard. Over the fibers, covered by Kevlar yarns and outer jacket. The outer jacket is made of low smoke and non- combustible LSZH, resistant to ultraviolet radiation.



NKL-F-008S9K-00U-BK

8 singlemode fibers, 9/125, Standard OS2,
Indoor/Outdoor, LSZH - 40 C, Black

Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008S9K-00U-BK 8 x SINGLE MODE 9/125 ISO/IEC 11801 OS2 Class Eca LSZH -40C (Hr(A)-HFLTx) (FI) **YYMM xxxxM**

Package content

Optical Fiber Cable

2 km

Specification

	NKL-F- xxx S9K-00U-BK			
Number of fibers	4	8	12	24
Type of optical fiber	Singlemode fiber 9/125			
Compliance	ISO / IEC 11801 OS2			
Diameter of Tight buffer	900 ± 25 μm			
Peripheral strength element	Kevlar yarn			
Material of outer jacket	UV Light-stabilized LSZH			
Area of application	Indoor/Outdoor			
Outer jacket diameter	4.8 ± 0.2 mm	5.5 ± 0.2 mm	6.5 ± 0.2 mm	7.8 ± 0.2 mm
Jacket color	Black			
Mass density per unit strength	18.0 kg/km	28.0 kg/km	38.0 kg/km	50.0 kg/km
Minimum bending radius	Not less than 10 times the cable diameter			
Max. tensile strength, N	440 N		660 N	
Max. tensile strength at break, N	100 N/CM			
Temperature ranges	Transportation and storage from -40 to +70 ° C. Laying and installation from -0 to +70 ° C. Operation -40 to +70 ° C			
Individual packing	Wooden drum			
Packing dimensions (LxW)	600x478 mm	600x535 mm		750x550 mm
Warranty	Component - 5 years. 25 years - as part of a certified NIKOMAX SCS			

Signal loss in fiber

























Wavelength, nm	1310	1383*	1550	1625
Maximum value, dB/km	≤ 0.33	≤ 0.32	≤ 0.19	≤ 0.22

* ≤ 0.05 attenuation values at this wavelength after aging in a hydrogen atmosphere

Loss on microbending

Radius of mandrel, mm	16	25	25	25
Number of turns	1	100	100	100
Wavelength, nm	1550	1310	1550	1625
Increase in attenuation, dB	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.01

Color identification of optical fibers

Fiber number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
NKL-F-xxxS9K-00U-BK																								

Ordering Table

Product Number	Number of fibers	Fiber type	Jacket material	Individual packing	
				Volume, M³	Weight, kg
NKL-F-004S9K-00U-BK	4	SM 9/125 OS2	UV LSZH	0.172	42
NKL-F-008S9K-00U-BK	8	SM 9/125 OS2	UV LSZH	0.193	65
NKL-F-012S9K-00U-BK	12	SM 9/125 OS2	UV LSZH	0.193	85
NKL-F-024S9K-00U-BK	24	SM 9/125 OS2	UV LSZH	0.309	110