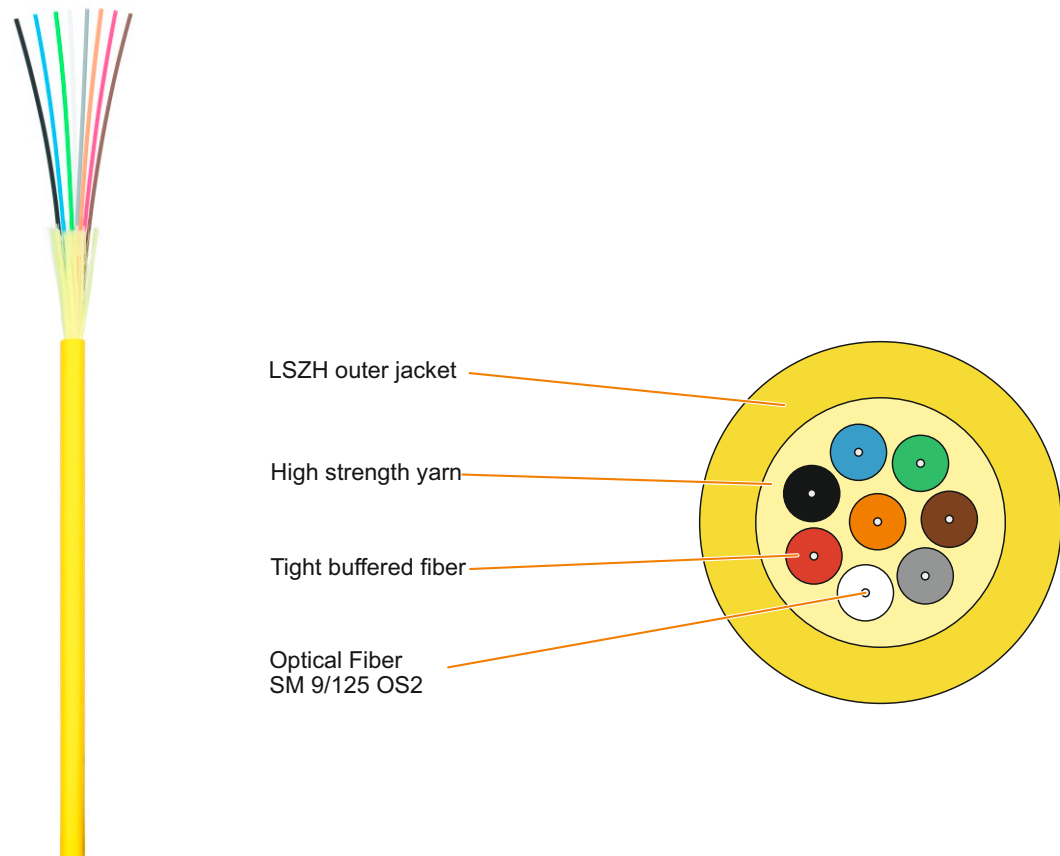


## NKL-F-**xxx**S2I-00C-YL — 4/8/12/24 fibers

NIKOLAN optical fiber cable, Single-mode 9 / 125µm, OS2, Distribution, Indoor, with High Strength Yarn, Class Eca LSZH, Yellow

Distribution optical cables, reinforced with High strength yarn, designed for laying inside buildings, in cable trays and channels, pipes and blocks. Used in the construction of the backbone cable subsystem of the building.

NIKOLAN NKL-F-xxxS2I-00C-YL cables that contain four, eight, twelve or twenty-four optical fibers in a tight buffer comply with the ISO / IEC 11801 OS2 standard. Over the fibers, covered by High strength yarn and outer jacket. The outer jacket is made of low smoke and non- combustible LSZH.



### NKL-F-008S2I-00C-YL

8 single-mode fiber 9/125, standard OS2 & G.652.D,  
Indoor, LSZH, Yellow

#### Marking

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008S2I-00C-YL 8 x SINGLE MODE 9/125 ISO/IEC 11801 OS2  
& ITU-T G.652.D Class Eca LSZH ( Hr(A)-HFLTx ) (FC) **YYMM xxxxxM**



#### Package Content

Optical Fiber Cable

2 km

The manufacturer reserves the right to change the appearance and characteristics of the product, without reducing its consumer properties

## Specification

	NKL-F- <del>xxx</del> S2I-00C-YL			
Number of fibers	4	8	12	24
Type of optical fiber	Singlemode fiber 9/125 (Single Mode)			
Compliance	ISO / IEC 11801 OS2			
Diameter of Tight buffer	900 ± 25 μm			
Peripheral strength element	High Strength Yarn			
Material of outer jacket	LSZH			
Area of application	Indoor			
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	Yellow			
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 -20 to +70 ° C. Laying and installation from -0 to +70 ° C. Operation -20 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	

## 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-xxxS2I-00C-YL																								

## Ordering Table

Product Number	Number of fibers	Fiber type	Jacket material	Individual packing	
				Volume, M³	Weight, kg
NKL-F-004S2I-00C-YL	4	SM 9/125 OS2	LSZH	0.172	42
NKL-F-008S2I-00C-YL	8	SM 9/125 OS2	LSZH	0.193	65
NKL-F-012S2I-00C-YL	12	SM 9/125 OS2	LSZH	0.193	85
NKL-F-024S2I-00C-YL	24	SM 9/125 OS2	LSZH	0.309	110