

## NKL-F-**xxx**M2K-00C-OR – 4/8/12/24 fibers

NIKOLAN Fiber-Optic Cable, Multi Mode 50 / 125µm, OM2, Distribution type, Indoor, With Kevlar Yarn, Class Eca LSZH, Orange

Distribution optical fiber cables, reinforced with Kevlar yarns, are 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.

NIKOMAX NKL-F-xxxM2K-00C-OR cables contain four, eight, twelve or twenty-four optical fibers in a tight buffer comply with the ISO / IEC 11801 OM2 standard. Over the fibers, covered with Kevlar yarns and outer jacket. The outer jacket is made of low smoke and non- combustible LSZH.

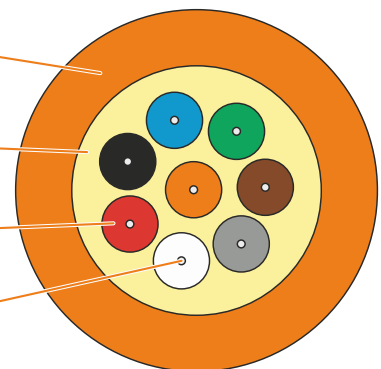


LSZH outer jacket

Kevlar yarn

Tight buffered Fiber

Optical Fiber  
Multimode 50/125 OM2



### NKL-F-008M2K-00C-OR

8 multimode fibers, 50/125, Standard OM2,  
Indoor, LSZH, Orange

#### Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008M2K-00C-OR 8 x MULTI MODE 50/125 ISO/IEC 11801 OM2 Class Eca LSZH  
( Hr(A)-HFLT<sub>x</sub> ) (FI) **YYMM xxxxM**



#### 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> M2K-00C-OR			
Number of fibers	4	8	12	24
Type of optical fiber	Multimode fiber 50/125 (Multi Mode)			
Compliance	ISO / IEC 11801 OM2 (Transfer rate of 1 Gbit / s to 550 m)			
Diameter of Tight buffer	900 ± 25 µm			
Peripheral strength element	Kevlar 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	Orange			
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	850	1300
Maximum value, dB / km	≤ 2.3	≤ 0.6

## Loss on microbending

Radius of mandrel, mm	15	15	37.5	37.5
Number of turns	2	2	100	100
Wavelength, nm	850	1300	850	1300
Increase in attenuation, dB	≤ 1.0	≤ 1.0	≤ 0.5	≤ 0.5

## 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-xxxM2K-00C-OR																								

## Ordering Table

Product Number	Number of fibers	Fiber type	Jacket material	Individual packing	
				Volume, M³	Weight, kg
NKL-F-004M2K-00C-OR	4	MM 50/125 OM2	LSZH	0.172	42
NKL-F-008M2K-00C-OR	8	MM 50/125 OM2	LSZH	0.193	65
NKL-F-012M2K-00C-OR	12	MM 50/125 OM2	LSZH	0.193	85
NKL-F-016M2K-00C-OR	24	MM 50/125 OM2	LSZH	0.309	110

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