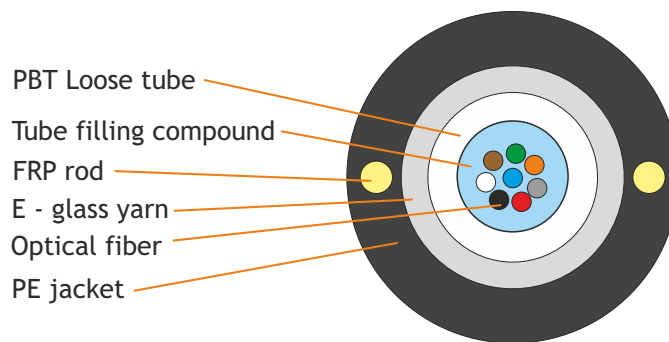


**NKL-F-xxxS2G-01B-BK** – 2/4/6/8/12/16/24 fibers OS2 Standard  
**NKL-F-xxxM2G-01B-BK** – 2/4/6/8/12/16/24 fibers OM2 Standard  
**NKL-F-xxxM5G-01B-BK** – 2/4/6/8/12/16/24 fibers OM3 Standard  
**NKL-F-xxxM4G-01B-BK** – 2/4/6/8/12/16/24 fibers OM4 Standard

NIKOLAN fiber-optic cable, singlemode 9/125µm OS2 or multimode 50/125, uni loose tube, with E - glass yarn, with fiberglass rods, outdoor, PE jacket, black

NIKOLAN cables, with E - glass yarn and fiberglass rods are designed for laying in the cable sewerage, blocks, tunnels, collectors, on bridges and flyovers, between buildings and structures.

NKL-F-xxxxyG-01B-BK cables are designed for outdoor installation and contain two, four, six, eight, twelve, sixteen and twenty four optical fibers. Optical cables can be made with fibers comply with the following standard: ITU-T G652.D., ISO/IEC 11801 OM2/OM3/OM4. Optical fibers are laid in the loose tube, which is filled with a hydrophobic gel. Loose tube covered E - glass yarn. The outer jacket is made of PE, resistant to ultraviolet radiation.



### NKL-F-008S2G-01B-BK

8 singlemode fibers, 9/125, G.652.D,  
Uni Loose Tube, With E - glass yarn & fiberglass rods, PE, Black

#### Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008S2G-01B-BK 8 x SINGLE MODE 9/125 ITU-T G.652.D PE 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- <b>xxx</b> yyG-01B-BK						
Number of fibers	2	4	6	8	12	16	24
Type of optical fiber	Singlemode fiber 9/125 or Multimode fiber 50/125						
Compliance	ITU-T G652.D or ISO/IEC 11801 OM2/OM3/OM4						
Diameter of cable	5.2 mm				6.2 mm		
Peripheral strength element	E - glass yarn, 2 FRP rods (0.5 mm)						
Material of outer jacket	PE						
Area of application	Outdoor						
Jacket color	Black						
Mass density per unit strength	78 kg/km						
Minimum bending radius	Not less than 10 times the cable diameter						
Max. tensile strength, N	1000 N						
Temperature ranges	Transportation and storage from -50 to +70 ° C. Laying and installation from -20 to +60 ° C. Operation -40 to +60 ° C						
Individual packing	Wooden drum						
Warranty	Component - 5 years. 25 years - as part of a certified NIKOMAX SCS						

## Signal loss in fiber

Singlemode fiber 9/125				
Wavelength, nm	1310	1383*	1550	1625
Maximum value, dB/km	≤ 0.36	≤ 0.34	≤ 0.22	≤ 0.23
Multimode fiber 50/125				
Wavelength, nm	850		1300	
Maximum value, dB/km	≤ 3.0		≤ 1.5	

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

## Loss on microbending

Singlemode fiber 9/125				
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
Multimode fiber 50/125				
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-002yyG-01B-BK	Blue	Orange																						
NKL-F-004yyG-01B-BK	Blue	Orange	Green	Brown																				
NKL-F-006yyG-01B-BK	Blue	Orange	Green	Brown	Grey	White																		
NKL-F-008yyG-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black																
NKL-F-012yyG-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan												
NKL-F-016yyG-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan	Blue	Orange	Green	Brown								
NKL-F-024yyG-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan