

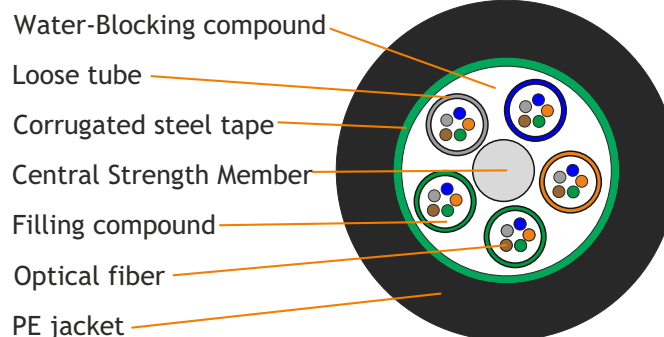
**NKL-F-xxxS2MT-01B-BK** – 36/48/96 fibers OS2 Standard  
**NKL-F-xxxM2MT-01B-BK** – 36/48/96 fibers OM2 Standard  
**NKL-F-xxxM3MT-01B-BK** – 36/48/96 fibers OM3 Standard  
**NKL-F-xxxM4MT-01B-BK** – 36/48/96 fibers OM4 Standard

NIKOLAN Fiber-Optic Cable, SingleMode 9/125µm OS2 or Multimode 50/125, Multi Loose Tube Outdoor, With corrugated steel tape, Black

NIKOLAN cables, with corrugated steel tape are designed for laying in the cable sewerage, blocks, tunnels, collectors, on bridges and flyovers, in ground of 1-3 groups, between buildings and structures.

NKL-F-xxx<sup>yy</sup>MT-01B-BK cables are designed for outdoor installation and contain twenty four, thirty six, forty eight or seventy two optical fibers comply with the following standard: ITU-T G652.D., ISO/IEC 11801 OS2/OM2/OM3/OM4.

Optical fibers are laid in the loose tube, which is filled with a hydrophobic gel. Optical modules are wrapped around a central strength member. Optical modules covered steel tape. The outer jacket is made of PE, resistant to ultraviolet radiation.



## NKL-F-036S2MT-01B-BK

36 singlemode fibers, 9/125, G.652.D,  
Outdoor, With steel tape, PE, Black

### Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-036S2MT-01B-BK 36 x SINGLE MODE 9/125 ISO 11801 OS2 & ITU-T G.652.D PE <sup>YYMM</sup> <sup>xxxx</sup>M



### Package content

Optical Fiber Cable

2 km

## Specification

	NKL-F-xxxxyMT-01B-BK		
Number of fibers	36	48	96
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	9.1 mm	9.5 mm	12.0 mm
Thickness of steel tape	1.7 mm	1.4 mm	2.0 mm
Peripheral strength element	Steel rope		
Armored	Steel tape		
Water-block material	Water-blocking compound		
Material of outer jacket	PE		
Area of application	Outdoor		
Jacket color	Black		
Mass density per unit strength	91.0 kg/km	91.0 kg/km	145.0 kg/km
Minimum bending radius	Not less than 20 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