

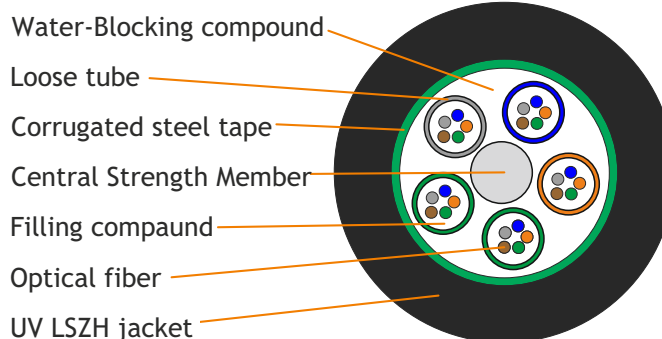
NKL-F-xxxS2MT-01U-BK – 36/48/96 fibers OS2 Standard
NKL-F-xxxM2MT-01U-BK – 36/48/96 fibers OM2 Standard
NKL-F-xxxM3MT-01U-BK – 36/48/96 fibers OM3 Standard
NKL-F-xxxM4MT-01U-BK – 36/48/96 fibers OM4 Standard

NIKOLAN Fiber-Optic Cable, Single Mode 9/125µm OS2 or Multimode 50/125, Multi Loose Tube Indoor/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-xxxxyMT-01U-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 UV Light-stabilized LSZH.



NKL-F-036S2MT-01U-BK

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

Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-036S2MT-01C-BK 36 x SINGLE MODE 9/125 ISO 11801 OS2 & ITU-T G.652.D UV LSZH **YMM** **xxxxM**

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Package content

Optical Fiber Cable

2 km

Specification

	NKL-F-xxxxyMT-01U-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	UV Light-stabilized LSZH		
Area of application	Indoor / 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