

NKL-F-xxxS2T-01B-BK – 2/4/6/8/12/16 fibers OS2 Standard

NKL-F-xxxM2T-01B-BK – 2/4/6/8/12/16 fibers OM2 Standard

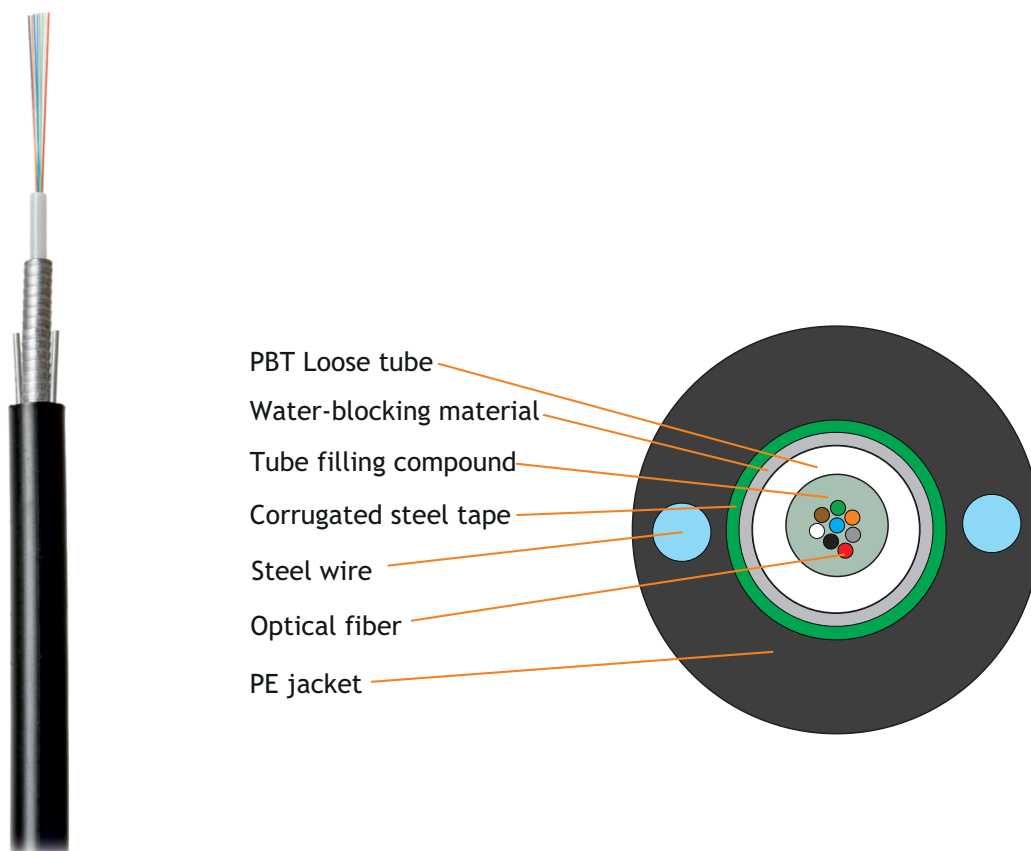
NKL-F-xxxM3T-01B-BK – 2/4/6/8/12/16 fibers OM3 Standard

NKL-F-xxxM4T-01B-BK – 2/4/6/8/12/16 fibers OM4 Standard

NIKOLAN Fiber-Optic Cable, SingleMode 9/125µm OS2 or Multimode 50/125, Uni Loose Tube, OS2, 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-xxxxyT-01B-BK cables are designed for outdoor installation and contain two, four, six, eight, twelve or sixteen optical 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. Two parallel steel wires is used as strength member. Loose tube covered steel tape. The outer jacket is made of PE, resistant to ultraviolet radiation.



NKL-F-008S2T-01B-BK

8 singlemode fibers, 9/125, OS2,
Outdoor, With steel tape, PE, Black

Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008S2T-01B-BK 8 x SINGLE MODE 9/125 ISO 11801 OS2 & ITU-T G.652.D PE YYMM xxxxM



Package content

Optical Fiber Cable

2 km

Specification

	NKL-F-xxxyyT-01B-BK					
Number of fibers	2	4	6	8	12	16
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	8.0 mm					
Diameter of steel wire	2 x 0.9 mm					
Peripheral strength element	Steel tape & Steel wire					
Material of outer jacket	PE					
Area of application	Outdoor					
Jacket color	Black					
Mass density per unit strength	68 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

Color identification of optical fibers

Fiber number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NKL-F-002yyT-01B-BK	Blue	Orange														
NKL-F-004yyT-01B-BK	Blue	Orange	Green	Brown												
NKL-F-006yyT-01B-BK	Blue	Orange	Green	Brown	Grey	White										
NKL-F-008yyT-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black								
NKL-F-012yyT-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan				
NKL-F-016yyT-01B-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan	Blue	Orange	Green	Brown