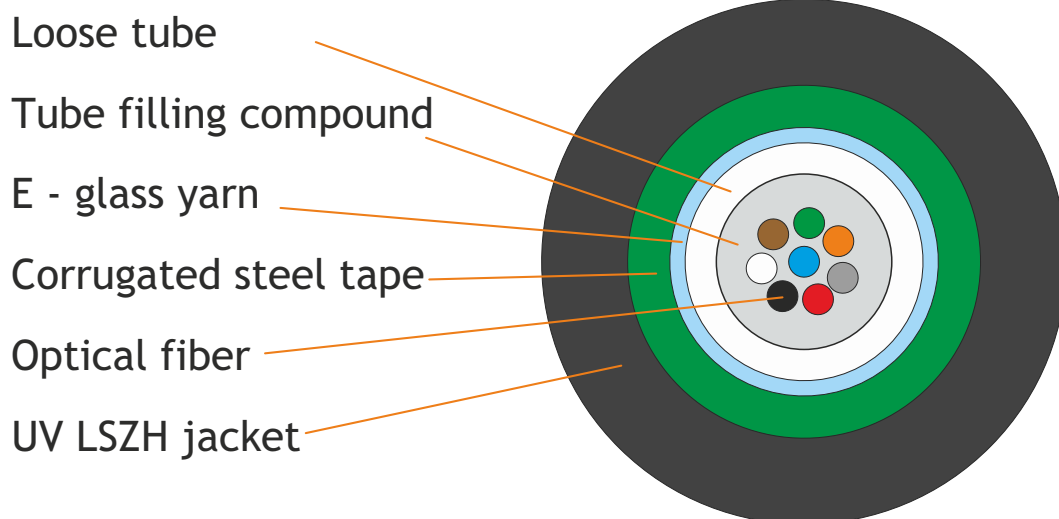


NKL-F-xxxS2TG-02U-BK – 2/4/6/8/12/16/24 fibers OS2 Standard
NKL-F-xxxM2TG-02U-BK – 2/4/6/8/12/16/24 fibers OM2 Standard
NKL-F-xxxM3TG-02U-BK – 2/4/6/8/12/16/24 fibers OM3 Standard
NKL-F-xxxM4TG-02U-BK – 2/4/6/8/12/16/24 fibers OM4 Standard

NIKOLAN Armored Fiber-Optic Cable, SingleMode 9/125µm OS2 or Multimode 50/125, Uni Loose Tube, With Corrugated Steel tape & E - glass yarn, Indoor/Outdoor, UV LSZH, Black

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

NKL-F-xxxxyTG-02U-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 OS2/OM2/OM3/OM4. Optical fibers are laid in the loose tube, which is filled with a hydrophobic gel. E - glass yarn is used as strength member. Loose tube covered steel tape. The outer jacket is made of UV Light-stabilized LSZH.



NKL-F-008S2TG-02U-BK

8 singlemode fibers, 9/125, G.652.D,
 Uni Loose Tube, With Corrugated steel tape,
 With E - glass yarn, UV LSZH, Black

Marking:

NIKOMAX NETWORK SOLUTIONS /// NIKOLAN NKL-F-008S2TG-02C-BK 8 x SINGLE MODE 9/125 ITU-T G.652.D UV LSZH
 YYMM xxxxM



Package content

Optical Fiber Cable

1 km

Specification

	NKL-F-xxxyyTG-02U-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	6.5 mm					7.0 mm	
Peripheral strength element	Steel Tape & E - glass yarn						
Material of outer jacket	UV Light-stabilized LSZH						
Area of application	Universal, for indoor and outdoor laying						
Jacket color	Black						
Mass density per unit strength	31 kg/km					36 kg/km	
Minimum bending radius	Not less than 10 times the cable diameter						
Max. tensile strength, N	2000 N						
Temperature ranges	Transportation and storage from -40 to +70 ° C. Laying and installation from 0 to +70 ° C. Operation -40 to +70 ° 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	≤ 1.0		

*≤ 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-002yyTG-02U-BK	Blue	Orange																						
NKL-F-004yyTG-02U-BK	Blue	Orange	Green	Brown																				
NKL-F-006yyTG-02U-BK	Blue	Orange	Green	Brown	Grey	White																		
NKL-F-008yyTG-02U-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black																
NKL-F-012yyTG-02U-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan												
NKL-F-016yyTG-02U-BK	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Cyan	Blue	Orange	Green	Brown								
NKL-F-024yyTG-02U-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