

**NKL-F-xxxS2MT-01U-BK**

NIKOLAN Fiber-Optic Cable, SingleMode 9/125µm OS2, 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-xxxyMT-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.

**Ordering Table**

P/N	Number of fibers	Fiber type	Jacket	Individual package	
				Volume, m3	Weight, kg
NKL-F-036S2MT-01U-BK36		SM 9/125 OS2	UV LSZH	-	-
NKL-F-048S2MT-01U-BK48		SM 9/125 OS2	UV LSZH	-	-
NKL-F-096S2MT-01U-BK96		SM 9/125 OS2	UV LSZH	-	-

## Detailed characteristics

Characteristic	Value
CPR Class	Fca
Outer jacket material	UV Light-stabilized LSZH
Application	Indoor / Outdoor
Mass density (kg) per unit length (km)	91.0 kg/km / 91.0 kg/km / 145.0 kg/km
Maximum tensile strength	1000 N
Warranty	Component - 5 years. 25 years - as part of a certified NIKOMAX SCS
Diameter of cable	9.1 mm / 9.5 mm / 12.0 mm
Temperature ranges	Transportation and storage from -50 to +70 ° C. Laying and installation from -20 to +60 ° C. Operation -40 to +60 ° C
Packaging	Wooden drum
Number of fibers	36 / 48 / 96
Type of optical fiber	Singlemode fiber 9/125
Minimum bending radius	Not less than 20 times the cable diameter
Color of outer jacket	Black
Compliance	ISO/IEC 11801 OS2 & ITU-T G.652.D
Peripheral strength element	Steel rope