

**NKL-F-xxxM2K-00U-BK**

Fiber-Optic Cable, Multi Mode 50/125µm, OM2, Distribution, Indoor / Outdoor, with Kevlar yarns, Class Eca LSZH -40C, Black



Distribution optical cables, reinforced with Kevlar yarns are designed for laying both inside buildings and outside, in cable trays and channels, pipes and blocks. Used in the construction of the backbone cable building subsystem.

NKL-F-xxxM2K-00U-BK cables are designed for indoor / outdoor installation and contain four, eight, twelve or twenty-four optical fibers in a tight buffer comply with ISO / IEC 11801 OM2 standard. Over the fibers, covered by Kevlar yarns and outer jacket. The outer jacket is made of low smoke and non- combustible LSZH, resistant to ultraviolet radiation.

**Ordering Table**

P/N	Number of fibers	Fiber type	Jacket	Individual package	
				Volume, m <sup>3</sup>	Weight, kg
NKL-F-004M2K-00U-BK	4	MM 50/125 OM2	UV LSZH	0.172	42
NKL-F-008M2K-00U-BK	8	MM 50/125 OM2	UV LSZH	0.193	65
NKL-F-012M2K-00U-BK	12	MM 50/125 OM2	UV LSZH	0.193	85
NKL-F-024M2K-00U-BK	24	MM 50/125 OM2	UV LSZH	0.309	110

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## Detailed characteristics

Characteristic	Value
CPR Class	Eca
Outer jacket material	UV Light-stabilized LSZH
Application	Indoor / Outdoor
Jacket color	Black
Mass density (kg) per unit length (km)	18.0 kg/km / 28.0 kg/km / 38.0 kg/km / 50.0 kg/km
Maximum tensile strength	440 N / 660 N
Compliance	ISO / IEC 11801 OM2 (Transfer rate of 1 Gbit / s to 550 m)
Temperature ranges	Transportation and storage from -40 to +70 ° C. Laying and installation from -0 to +70 ° C. Operation -40 to +70 ° C
Warranty	Component - 5 years. 25 years - as part of a certified NIKOMAX SCS
Packaging	Wooden drum
Diameter of cable	4.8 ± 0.2 mm / 5.5 ± 0.2 mm / 6.5 ± 0.2 mm / 7.8 ± 0.2 mm
Number of fibers	4 / 8 / 12 / 24
Type of optical fiber	Multimode fiber 50/125 (Multi Mode)
Diameter of Tight buffer	900 ± 25 µm
Minimum bending radius	Not less than 10 times the cable diameter
Crushing Force	100 N/CM
Packing dimensions (LxW)	600x478 mm / 600x535 mm / 750x550 mm
Packing dimensions (LxW)	Kevlar yarn