

NIKOLAN optical fiber cable, Multi Mode 50 / 125µm, OM2, Distribution, indoor/outdoor, with High Strength yarn, UV LSZH ng (B) -HFLTx, Black



Distribution optical cables, reinforced with High Strength yarn, are designed for laying inside buildings, in cable trays and channels, pipes and blocks. Used in the construction of the backbone cable subsystem of the building. NIKOLAN NKL-F-xxxM2I-00U-BK cables that contain four, eight, twelve, twenty-four optical fibers in a tight buffer comply with the ISO / IEC 11801 OM2 standard. The optical fiber surrounded by High Strength yarn and encased in a low smoke zero- halogen jacket.

**Ordering Table**

P/N	Number of fibers	Fiber type	Jacket material	Individual package	
				Volume, m3	Weight, kg
NKL-F-004M2I-00U-BK	4	MM 50/125	UV LSZH	0.147	44
NKL-F-008M2I-00U-BK	8	MM 50/125	UV LSZH	0.147	65
NKL-F-012M2I-00U-BK	12	MM 50/125	UV LSZH	0.331	98
NKL-F-024M2I-00U-BK	24	MM 50/125	UV LSZH	0.331	98

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## Detailed characteristics

Characteristic	Value
CPR Class	Eca
Outer jacket material	UV LSZH
Application	Indoor / Outdoor
Jacket color	Black
Mass density (kg) per unit length (km)	18.0 / 28.0 / 38.0 / 50.0
Maximum tensile strength	440N / 440N / 660N / 660N
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
Compliance	ISO / IEC 11801 OM2 (Transfer rate of 1 Gbit / s to 550 m)
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)	600x478mm / 600x535mm / 600x535mm / 750x550mm
Peripheral strength element	High Strength yarn