

Fiber-Optic Cable, Single Mode 9/125µm, OS2, Distribution, indoor, with Kevlar yarns, Class Eca LSZH , Yellow



Distribution optical cables, reinforced with Kevlar yarns, 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-xxxS9K-00C-YL cables that contain four, eight, twelve or twenty-four optical fibers in a tight buffer comply with the ISO / IEC 11801 OS2 standard. Over the fibers, covered by Kevlar yarns and outer jacket. The outer jacket is made of low smoke and non- combustible LSZH.

### Ordering Table

P/N	Number of fibers	Fiber type	Jacket	Individual package	
				Volume, m3	Weight, kg
NKL-F-004S9K-00C-YL	4	SM9/125 OS2	LSZH	0.172	42
NKL-F-008S9K-00C-YL	8	SM 9/125 OS2	LSZH	0.193	65
NKL-F-012S9K-00C-YL	12	SM 9/125 OS2	LSZH	0.193	85
NKL-F-024S9K-00C-YL	24	SM 9/125 OS2	LSZH	0.309	110

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### Detailed characteristics

Characteristic	Value
CPR Class	Eca
Outer jacket material	LSZH
Application	Indoor
Jacket color	Yellow
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 OS2
Temperature ranges	Transportation and storage from -20 to +70 ° C. Laying and installation from -0 to +70 ° C. Operation -20 to +70 ° C
Warranty	Component - 5 years. 25 years - as part of a certified NIKOMAX SCS
Packaging	Wooden drum
Number of fibers	4 / 8 / 12 / 24
Type of optical fiber	Singlemode fiber 9/125 (Single Mode)
Diameter of Tight buffer	900 ± 25 µm
Diameter of cable, mm	4.8 ± 0.2 mm / 5.5 ± 0.2 mm / 6.5 ± 0.2 mm / 7.8 ± 0.2 mm
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
Peripheral strength element	Kevlar yarn