

NKL-F-xxxS2I-00U-BK

Fiber-Optic Cable, Single-mode 9 / 125µm, OS2, 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 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-xxxS2I-00U-BK cables are designed for indoor / outdoor installation and contain two, four, eight, twelve, sixteen or twenty-four optical fibers in a tight buffer comply with ISO / IEC 11801 OS2 and ITU-T G.652 .D. Over the fibers, covered by High Strength yarn 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, m3	Weight, kg
NKL-F-004S2I-00U-BK	4	SM 9/125 OS2	UV LSZH	0.172	42
NKL-F-008S2I-00U-BK	8	SM 9/125 OS2	UV LSZH	0.193	65
NKL-F-012S2I-00U-BK	12	SM 9/125 OS2	UV LSZH	0.193	85
NKL-F-024S2I-00U-BK	24	SM 9/125 OS2	UV LSZH	0.309	110

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Detailed characteristics

Characteristic	Value
Outer jacket material	UV Light-stabilized LSZH
Application	Universal, for indoor and outdoor laying
Jacket color	Black
Mass density (kg) per unit length (km)	18 / 28 / 38 / 50
Maximum tensile strength	440 / 440 / 660 / 660
Compliance	ISO/IEC 11801 OS2 & ITU-T G.652.D
Temperature ranges	Transport and storage from -40 to +70 ° C. Laying and installation from -0 to +70 ° C. Operation from -40 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	Single Mode Fiber 9/125 (Single Mode)
Diameter of Tight buffer	900 ± 25 µm
Diameter of cable, mm	4.8 ± 0.2 / 5.5 ± 0.2 / 6.5 ± 0.2 / 7.8 ± 0.2
Minimum bending radius	Not less than 10 times the cable diameter
Crushing Force	100 N/cm
Packing dimensions (LxW)	600x478 / 600x535 / 600x535 / 700x550 mm
CPR Class	Eca
Peripheral strength element	High Strength Yarn
Compliance	ISO/IEC 11801 OS2 & ITU-T G.652.D