

**NKL 4100C-BK**

NIKOLAN Cable U/UTP 4 pairs, Cat.5e, Indoor/Outdoor, 24AWG, UV-LSZH, Black, Solid, 100 MHz, 305m

Four-pair Category 5e twisted pair cables is designed to use in high-speed data transmission systems at speed up to 1 Gbit/s.

NKL 4100C-BK category 5e U/UTP (Unshielded) cables is designed for Indoor & Outdoor cabling. The outer jacket is made of UV-LSZH (UV resistant & low smoke and non-combustible).

NIKOLAN 4th series cables offer excellent performance at reasonable price which makes them the best choice for networking projects that do not require system support. These cables are supplied in easy pull-out cartons.

**Ordering Table**

P/N	Number of pairs	Category	Type	Application	Color	Length, m	Volume, m3	Weight, kg
NKL 4100C-BK	4	5e	U/UTP	Indoor/Outdoor	Black	305	-	-

## Detailed characteristics

Characteristic	Value
Category	5e
Bandwidth, MHz	100
Type	U/UTP
Number of pairs	4
Material of conductors	Copper
Type of conductors	Solid
Diameter of conductors, AWG	24 AWG (0.50 ± 0.01 mm)
Insulation material	High density polyethylene (HDPE)
Insulation conductor thickness, mm	0.2 ± 0.02
Diameter of conductor insulation, mm	0.9 ± 0.05
Outer jacket material	UV-LSZH
Execution	ng (A) -HFLTx
Application	Indoor/Outdoor
Jacket thickness, mm	0.5 ± 0.05
Outer jacket diameter, mm	5.1 ± 0.3
Jacket color	Black
Protective film	-
Ripcord	Yes
Mass density (kg) per unit length (km)	30.6 ± 0.2
Radius of bending during laying	Not less than 8 times the cable diameter
Radius of bending during operation	Not less than 4 times the cable diameter
Maximum tensile strength	No more than 80 N
Characteristic impedance, ohms	100 ± 15
Nominal velocity of propagation (NVP)	69% ± 1%
Max. Conductor resistance(DC), ohms/km	≤ 95
Length, M	305
Compliance	Exceeds requirements of standards: ISO / IEC 11801, EN 50173 and TIA / EIA-568
Supported applications	10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (for Cat.6 and 6A), ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR- 16 Active, TR-16 Passive
Temperature ranges	Storage from -40 to +70 ° C. Installation from 0 to +50 ° C. Operation from -10 to +60 ° C
Individual packing	Carton Box
Package dimensions (LxW or W x H x D), mm	405x405x220
Warranty	Component warranty - 5 years, system warranty - 15 years