



NIKOLAN 2nd series cables provide excellent performance at an affordable price, which makes them the ideal choice for building residential, small local and entry-level structured networks, to be used in projects that do not require system support. The range of indoor cables includes unshielded (U/UTP) cables of category 5e and 6 with PVC or LSZH shells.

Category 5e cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of low smoke and non-combustible LSZH. Supplied by 305 m in compact easy-pull-out boxes. Also 100 m packaging is available.

### Ordering Table

P/N	Number of pairs	Category	Type	Usage, Jacket	Color	Length, M	Package	Size, mm	Volume, m3	Weight, kg
NKL 2100C-OR	4	5e	U/UTP	Indoor, LSZH	Orange	305	Pull-out box	350x350x200	0.0245	9.1
NKL 2101C-OR	4	5e	U/UTP	Indoor, LSZH	Orange	100	Pull-out box	280x280x90	0.0070	4.2
NKL 2100C-BL	4	5e	U/UTP	Indoor, LSZH	Blue	305	Pull-out box	350x350x200	0.0245	9.1

## Detailed characteristics

Characteristic	Value
Category	5e
Bandwidth, MHz	100 MHz
Type	U/UTP
Number of pairs	4
Material of conductors	Pure copper
Type of conductors	Solid
Diameter of conductors, AWG	0.49 ± 0.01 mm
Insulation material	HDPE
Insulation conductor thickness, mm	0.20 ± 0.02 mm
Diameter of conductor insulation, mm	0.90 ± 0.05 mm
Outer jacket material	LSZH
CPR Class	Dca-s2,d2,a1
Application	For indoor laying
Jacket thickness, mm	0.6 ± 0.05 mm
Outer jacket diameter, mm	5.2 ± 0.3 mm
Jacket color	Orange / Blue
Screen construction (common screen)	-
Protective film	-
Ripcord	Yes
Mass density (kg) per unit length (km)	29.8 ± 0.5 kg/km
Radius of bending during laying	≥ 4x OD
Radius of bending during operation	≥ 8x OD
Maximum tensile strength	Max 100 N
Characteristic impedance, ohms	100 ± 15 Ω
Nominal velocity of propagation (NVP)	0.69 ± 0.1
Max. Conductor resistance(DC), ohms/km	≤ 94 Ω/km
Length, M	305
Compliance	Meets the requirements of standards: ISO/IEC 11801. EN 50173 & TIA/EIA-568-C.2
Supported applications	10BASE-T, 100BASE-TX, 100BASE-T4. 1000BASE-T, 10GBASE-T (for Cat.6), ATM-25. ATM-51. ATM-155. 100VG-AnyLan, TR-4. TR-16 Active, TR-16 Passive
Temperature ranges	Storage from -20 to +60 °C. Installation from 0 to +50 °C. Operation from -20 to +60 °C
Warranty	1 Year