



NIKOLAN Cable U/UTP 4 pair, Cat.6A, Indoor, 23 AWG, Solid, 500 Mhz, 500 m

Four-pair Category 6A twisted pair cable is designed to use in high-speed data transmission systems at speed up to 10 Gbit/s.

NKL 4155C-IB Category 6A cable is made in unshielded U/UTP design, and designed for indoor installation. The jacket is made of LSZH compound, with low smoke and non-toxic compounds during combustion, ng (A) -HFLTx version. The feature of this cable is the ribbed inner part of the jacket, due to which it is possible to increase the distance between the conductors during group laying of the cable, reducing the interference. At the same time, the separator is also added, for greater insulation of conductors and less interference.

NIKOLAN 4 series cables will solve most of the problems associated with network construction, and excellent performance will provide seamless operation for the entire life of the cable. They are used to build a certified NIKOMAX SCS with a warranty period of up to 5 years. And they are delivered in "easy-pull box" cartons or on plywood drums.

### Ordering Table

P/N	Pairs	Cat.	Type	Jacket Material	Color	Length, m	Packaging	Sizes, mm	Volume, m3	Weight, kg
NKL 4155C-IBa	4	6a	U/UTP	LSZH	Ice Blue	500	Drum	370x250	-	-

## Detailed characteristics

Characteristic	Value
Category	6A
Bandwidth, MHz	500
Type	U/UTP
Number of pairs	4
Material of conductors	Bare copper
Type of conductors	Solid
Diameter of conductors, AWG	23 AWG (0.565 ± 0.005 mm)
Insulation material	High density polyethylene (HDPE)
Insulation thickness of conductors	0.27 ± 0.01 mm
Diameter of conductor insulation, mm	1.12 ± 0.05 mm
Outer jacket material	LSZH
Execution	nr(A)-HFLTx
Application	For indoor laying
Jacket thickness, mm	0.95 ± 0.05 mm
Outer jacket diameter, mm	8.3 ± 0.5 mm
Protective film	–
Separator	Yes
Ripcord	Yes
Mass density (kg) per unit length (km)	47.5 ± 0.5
Radius of bending during laying	≥ 8x OD
Radius of bending during operation	≥ 4x OD
Maximum tensile strength	Max 100 N
Characteristic impedance, ohms	100 ± 15 Ω
Nominal velocity of propagation (NVP)	0.68 ± 0.1
Max. Conductor resistance(DC), ohms/km	≤ 93.8 Ω/km
Compliance	Meets the requirements of standards: GOST-R 54429, ISO/IEC 11801, EN 50173 и TIA/EIA-568
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 range	Storage from -20 to +60 °C. Installation from 0 to +50 °C. Operation from -20 to +60 °C
Warranty	Component - 5 years. System - 15 years as part of a certified SCS NIKOMAX