



NIKOLAN 4 Series cables provide excellent performance at a reasonable price, which makes them the best choice for building networks in projects that do not require system support. The range of internal cables includes shielded (F / UTP) and unshielded (U / UTP) cables of categories 5, 5e and 6 with PVC or LSZH-comand shells. Depending on the specific model, the internal cables of the 4th series are delivered in "easy-pull box" cartons or on plywood drums.

Unshielded cables (U / UTP) are the most popular and easy to install type of cable, but they do not have protection against electromagnetic interference. When laying in close proximity to the power lines, it is recommended to refer to shielded solutions.

### Ordering Table

P/N	Number of pairs	Category	Type	Application	Color	Length, m	Volume, m3	Weight, kg
NKL 4200A-GY	4	5e	F/UTP	Indoor, PVC	Gray	305	0.0344	14.6
NKL 4201A-GY	4	5e	F/UTP	Indoor, PVC	Gray	100	0.0070	4.2

## Detailed characteristics

Characteristic	Value
Category	5e
Bandwidth, MHz	100
Type	F/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	0.24 ± 0.02
Diameter of conductor insulation, mm	1.0 ± 0.05
Outer jacket material	Polyvinyl chloride (PVC)
CPR Class	Eca
Application	For Indoor Installation
Jacket thickness, mm	0.55 ± 0.05
Outer jacket diameter, mm	6.2 ± 0.3
Jacket color	Gray
Screen construction (common screen)	Polyester aluminum foil, laid in contact with the drainage conductor
Protective film	Yes
Ripcord	Yes
Mass density (kg) per unit length (km)	43.0 ± 0.5
Radius of bending during laying	At least 8 cable diameters
Radius of bending during operation	At least 4 cable diameters
Maximum tensile strength	Not more than 80 N
Characteristic impedance, ohms	100 ± 15
Nominal velocity of propagation (NVP)	0.69 ± 0.1
Max. Conductor resistance(DC), ohms/km	≤ 95
Length, M	305
Compliance	Exceeds the requirements of the standards: ISO / IEC 11801, EN 50173 and ANSI / TIA-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
Individual packing	Cardboard box
Package dimensions (LxW or W x H x D), mm	405x405x210
Warranty	Component warranty - 5 years, system warranty - 15 years