



NIKOLAN 9-series cables suitable for projects of any complexity and used to build certified NIKOMAX SCS. The highest quality of manufacture guarantees the superiority of characteristics over the most stringent world standards. All products of the 9th series are delivered on drums that guarantee safety during transportation, consistency of features and ease of operation during installation.

Unshielded cables (U / UTP) are the most popular type of network cables. They are inexpensive and easy to install, but they do not have protection against electromagnetic interference, therefore, when laying unshielded networks, special attention must be paid to the correct separation of cable bundles, especially with power cables.

### Ordering Table

P/N	Number of pairs	Category	Type	Application	Color	Length, M	Volume, m3	Weight, kg
NKL 9140C-OR 4	4	6	U/UTP	Indoor, LSZH	Orange	305	0.0297	13.5
NKL 9140C-BL 4	4	6	U/UTP	Indoor, LSZH	Blue	305	0.0297	13.5
NKL 9140C-GN 4	4	6	U/UTP	Indoor, LSZH	Green	305	0.0297	13.5
NKL 9140C-GY 4	4	6	U/UTP	Indoor, LSZH	Grey	305	0.0297	13.5
NKL 9140C-RD 4	4	6	U/UTP	Indoor, LSZH	Red	305	0.0297	13.5
NKL 9140C-WT 4	4	6	U/UTP	Indoor, LSZH	White	305	0.0297	13.5
NKL 9140C-YL 4	4	6	U/UTP	Indoor, LSZH	Yellow	305	0.0297	13.5
NKL 9141C-OR 4	4	6	U/UTP	Indoor, LSZH	Orange	100	0.0143	4.18

## Detailed characteristics

Characteristic	Value
Category	6
Bandwidth, MHz	250
Type	U/UTP
Number of pairs	4
Material of conductors	Copper
Type of conductors	Solid
Diameter of conductors, AWG	23 AWG (0.57 ± 0.01 mm)
Insulation material	High density polyethylene (HDPE)
Insulation conductor thickness, mm	0.22 ± 0.02 mm
Diameter of conductor insulation, mm	1.01 ± 0.05 mm
Outer jacket material	LSZH
CPR Class	Dca-s2, d2, a1
Application	For Indoor Installation
Jacket thickness, mm	0.6 ± 0.05 mm
Outer jacket diameter, mm	6 ± 0.3 mm
Jacket color	7 colors
Protective film	—
Ripcord	Yes
Mass density (kg) per unit length (km)	40.4 ± 0.5 kg/km
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 ohms
Nominal velocity of propagation (NVP)	0.69 ± 0.1
Max. Conductor resistance(DC), ohms/km	≤ 93.8 ohms/km
Length, M	305 m
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	Reel-In-Box
Package dimensions (LxW or W x H x D), mm	335x335x265 mm
Warranty	Extended - 15 years. 25 years - as part of the certified NIKOMAX SCS