



A wide range of 4th series cables will solve most of the problems associated with building networks, and while an excellent performance will guarantee a trouble-free operation for the whole life of the network. They are used to build a certified NIKOMAX SCS with a warranty period of up to 15 years. Indoor cable lineup includes shielded (S/FTP, U/FTP, F/UTP) and unshielded (U/UTP) models of categories from 5e to 7A with PVC or LSZH shells. Supplied in easy-pull-out boxes with an increased diameter insert for unwinding or on plywood drums (for heavy models).

NKL 4455C-IB Category 6A cable is shielded U/FTP, and designed for indoor cabling. The outer jacket is made of low smoke and non-combustible LSZH.

### Ordering Table

P/N	Number of pairs	Category	Type	Application	Color	Length, M	Package	Dimension, mm	Volume, m3	Weight, kg
NKL 4455C-OR	4	6A	U/FTP	Indoor, LSZH	Orange	500	Drum	370x250	0.0300	27.0
NKL 4455C-WT	4	6A	U/FTP	Indoor, LSZH	White	500	Drum	370x250	0.0300	27.0
NKL 4455C-IB	4	6A	U/FTP	Indoor, PVC	Grey	500	Drum	370x250	0.0300	27.0

**Detailed characteristics**

Characteristic	Value
Category	6A
Bandwidth, MHz	500
Type	U/FTP
Number of pairs	4
Material of conductors	Pure copper
Type of conductors	Solid
Diameter of conductors, AWG	23 AWG (0.56 ± 0.01 mm)
Insulation material	PE foam
Insulation conductor thickness, mm	0.38 ± 0.02
Diameter of conductor insulation, mm	1.33 ± 0.05
Outer jacket material	LSZH
CPR Class	Dca-s2,d2,a1
Application	For Indoor laying
Jacket thickness, mm	0.55 ± 0.05
Outer jacket diameter, mm	7.3 ± 0.3
Jacket color	Ice Blue/ Orange / White
Screen construction (common screen)	Individual Al/PES foil, 100% coverage, paved with a solid drain wire
Protective film	-
Ripcord	Yes
Mass density (kg) per unit length (km)	49.0 ± 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	No more than 100 N
Characteristic impedance, ohms	100 ± 15
Nominal velocity of propagation (NVP)	0.74 ± 0.1
Max. Conductor resistance(DC), ohms/km	≤ 93.8
Compliance	Exceeds the requirements of the standards: ISO/IEC 11801. EN 50173 & TIA/EIA-568-C.2 10BASE-T, 100BASE-TX, 100BASE-T4. 1000BASE-T, 10GBASE-T, ATM-25. ATM-51. ATM-155. 100VG-AnyLan, TR-4. TR-16 Active, TR-16 Passive
Supported applications	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	Component – 5 years. System – 15 years as part of a certified NIKOMAX SCS