

NKL 4140C-ZZ – LSZH Jacket, 6 Colors

NKL 4140A-ZZ – PVC Jacket, 3 Colors

NIKOLAN Cable U/UTP 4 pairs, Cat.6,
Indoor, 23 AWG, Solid, 250 MHz

✓ ISO/IEC 11801, EN 50173 &
ANSI/TIA 568-C.2, RoHS,
REACH Compliant, CE CPR
Certified (NKL-4140C-OR)

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

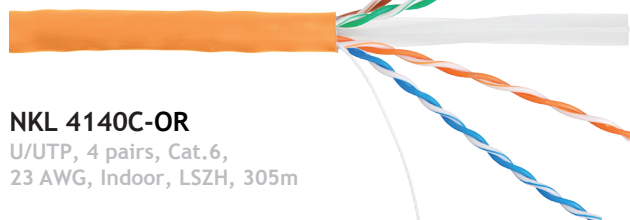
- **NKL 4140C-ZZ** Category 6 cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of low smoke and non-combustible LSZH.
- **NKL 4140A-ZZ** Category 6 cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of PVC.

NIKOLAN 4th series cables offer excellent performance at reasonable price which makes them the best choice for networking projects that do not require system support. These cables are supplied in easy pull-out cartons.

Legend :

ZZ - Jacket color :
OR - Orange
VL - Violet
RD - Red
GN- Green
BL - Blue
WT- White
YL - Yellow
GY - Gray

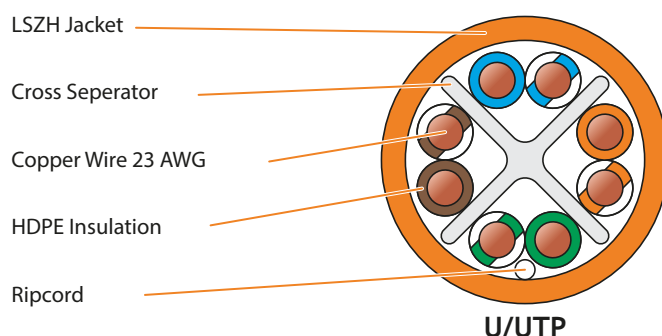
Example 1 :



NKL 4140C-OR
U/UTP, 4 pairs, Cat.6,
23 AWG, Indoor, LSZH, 305m

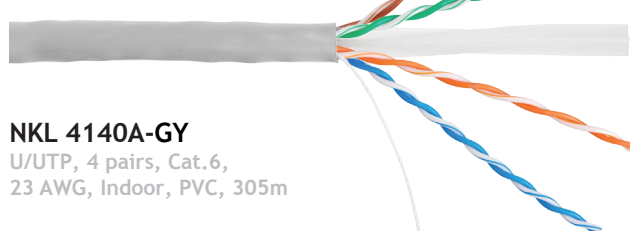
Marking:

NIKOLAN NKL 4140C-OR U/UTP SOLID CABLE 4P CATEGORY 6
23AWG LSZH (Hr(A)-HFLT_x) Class Eca ISO/IEC 11801 & EN
50173 & ANSI/TIA-568-C.2 NVP 0.68



U/UTP

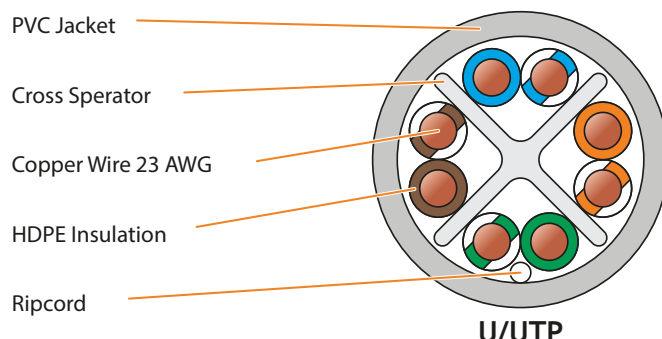
Example 2 :



NKL 4140A-GY
U/UTP, 4 pairs, Cat.6,
23 AWG, Indoor, PVC, 305m

Marking:

NIKOLAN NKL 4140A-GY U/UTP SOLID CABLE 4P CATEGORY 6
23AWG PVC (Hr(A)) ISO/IEC 11801 & EN 50173 &
ANSI/TIA-568-C.2 NVP 0.68



U/UTP

Package Content

Copper Cable

305 m

The manufacturer reserves the right to alter the appearance and characteristics of the product, without compromising the product's functionality

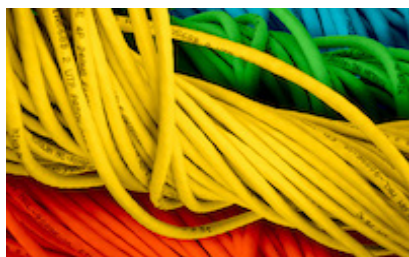
Specification

	NKL 4140C-ZZ	NKL 4141C-OR	NKL 4140A-ZZ
Category	6		
Bandwidth (MHz)	250 MHz		
Type of cable	U/UTP		
Number of pairs	4		
Conductor material	Copper		
Type of conductor	Solid		
Diameter of wire (mm)	23 AWG (0.55 ± 0.01 mm)		
Material of conductor insulation	High Density Polyethylene (HDPE)		
Thickness of conductor insulation	0.22 ± 0.02 mm		
Diameter of wire insulation	1.01 ± 0.05 mm		
Material of ourter jacket	LSZH, IEC 60332-1		Polyvinyl Chloride (PVC)
Area of application	Indoor		
Jacket Thickness	0.55 ± 0.05 mm		
Outer diameter of jacket	6.3 ± 0.3 mm		
Jacket color	6 Colors	Orange	3 Colors
Protective film	-		
Ripcord	Yes		
Mass density (kg) per unit length (km)	42.6 ± 0.5 kg/km		
Min. bending radius during cabling	Not less than 8 times the cable diameter		
Min. bending radius during operation	Not less than 4 times the cable diameter		
Max. tensile strength, N	No more than 80 N		
Characteristic impedance, ohms	100 ± 15 ohms at 20 °C		
Nominal velocity of propagation (NVP)	68% ± 1%		
Max. conductor resistance (DC), ohms/km	≤ 95 ohms/km at 20 °C		
Length, m	305	100	305
Compliance	ISO/IEC 11801, EN 50173 and ANSI/TIA-568-C.2, RoHS, REACH		
Application	10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T (55 m) ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive		
Temperature range	Storage -20 to +60 °C. Installation from 0 to +50 °C. Operating from -20 to +60 °C		
Individual packing	Reel in box		
Package dimensions (WxH or WxHxD), mm	405x405x210 mm		
Warranty	Component warranty - 5 years, system warranty - 15 years		

Ordering Table

Part Number	Pairs	Category	Type	Jacket Material	Color	Length, m	Volume, m ³	Weight, kg
NKL 4140C-ZZ	4	6	U/UTP	LSZH	OR, WT, RD, GN, BL, GY	305	0.0344	14.7
NKL 4141C-OR	4	6	U/UTP	LSZH	OR	100	0.0094	4.45
NKL 4140A-ZZ	4	6	U/UTP	PVC	GY, WT, BL	305	0.0344	14.6

Other package options available by request.



Accessories

Patch Panel: NMC-RP24UE2-HU-MT, NMC-RP24UE2-1U-MT
 Snap-in Patch Panel: NMC-RP24-BLANK-HU-MT, NMC-RP24-BLANK-1U-MT
 Keystone Jack: NMC-KJUE2-FT-MT, NMC-KJUE2-NT-MT, NMC-KJUE2-WT
 Wall Outlets with FT Jack: NMC-WO1UE2-FT-ST-WT, NMC-WO2UE2-FT-ST-WT
 Wall Outlet: NMC-WO1UE2-WT, NMC-WO2UE2-WT
 Fast Termination Tool for FT Series Jack: NMC-FT-TOOL
 Punch Down Tool: NMC-3640R
 Insert blade for NMC-3640R: NMC-14TA, NMC-14TBK
 Precise Cable Cutter: NMC-222
 Cable Cutter: NMC-502C
 Wire Stripper & Cutter: NMC-S501B
 Cable Tie Gun: NMC-328

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