

**NKL 4140C-OR** – LSZH Jacket, Orange  
**NKL 4140A-GY** – PVC Jacket, Gray

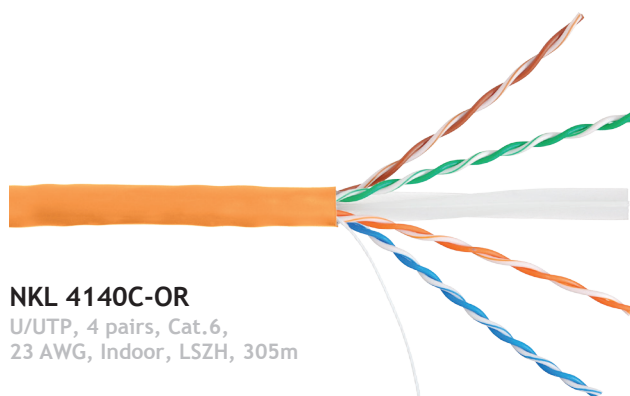
**NIKOLAN Cable U/UTP 4 pairs, Cat.6,  
Indoor, 23 AWG, Solid,  
250 MHz, 305 m**

✓ 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.

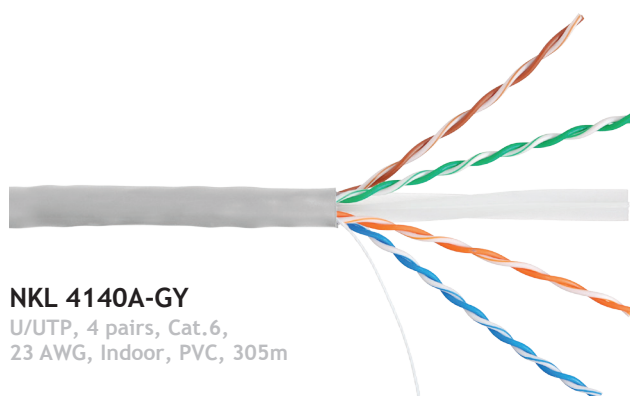
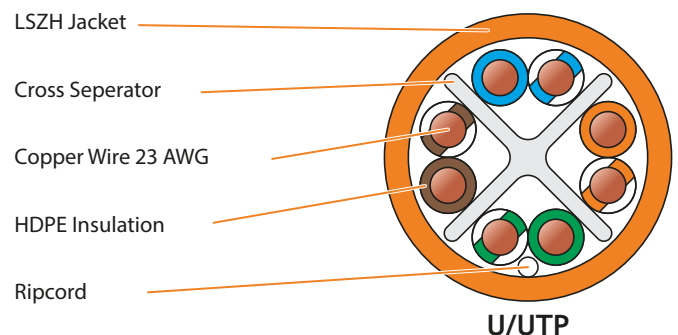
- **NKL 4140C-OR** Category 6 cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of low smoke and non-combustible LSZH.
- **NKL 4140A-GY** Category 6 cable is unshielded U/UTP, and designed for indoor cabling. The outer jacket is made of PVC.

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.



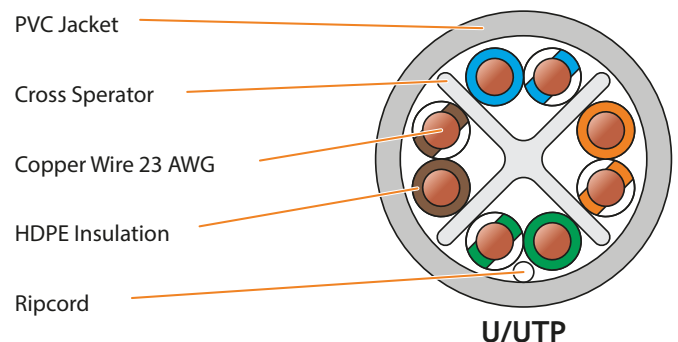
**NKL 4140C-OR**  
U/UTP, 4 pairs, Cat.6,  
23 AWG, Indoor, LSZH, 305m

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



**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



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

## Specification

|                                        | NKL 4140C-OR                                                                                                                               | NKL 4140A-GY            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 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 (0.57 ± 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                           | Orange                                                                                                                                     | Gray                    |
| 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 opeartion   | Not less than 8 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                                                                                                                                        |                         |
| 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)<br>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

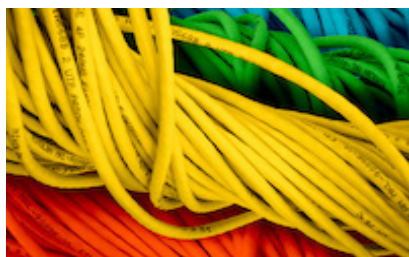
| Part Number  | Pairs | Category | Type  | Jacket Material | Color  | Length, m | Volume, m <sup>3</sup> | Weight, kg |
|--------------|-------|----------|-------|-----------------|--------|-----------|------------------------|------------|
| NKL 4140C-OR | 4     | 6        | U/UTP | LSZH            | Orange | 305       | 0.0344                 | 14.7       |
| NKL 4141C-OR | 4     | 6        | U/UTP | LSZH            | Orange | 100       | 0.0094                 | 4.45       |
| NKL 4140A-GY | 4     | 6        | U/UTP | PVC             | Gray   | 305       | 0.0344                 | 14.6       |

Other package options available by request.

## Package Content

Copper Cable

305 m



## 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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